



Iowa City - Chicago -

Chicago - Balt, -

15.00

Balt. - Norfolk -

2.00

Norfolk - Newbern -

4.50

At Ocean View July 30 85

a fair amount

Confidential

Wm

Permanently

G. E. Rives

St. Louis

Market Place

St. Louis

Confidential

Monroeville, Ohio

June 21 - 1885

Bluffs of Huron riv.



Plant 1-2" high

very sticky - hispid

herbaceous
stem, erect, exogen, hollow

Leaves - oblanceolate, simple

acute, opposite, clasping, nerve
yellow veins

very - dense stellate

Inflorescence - cymose

compound umbels

calyx 5-lobed

to claw of petals (i
somewhat inflated, five-
lobed, long, acute

Corolla of 5-lobed
bright-red, 2-lobed petals
each with crown of two
apophyses

Stems 10, leaves 2

very slender, stems

like in form, erect

infruct, at the 2 cells

growing when young stems

4 leaves covering

away

first - very 1-cell, free

central plant, also

3, stems = flowers

many needed for

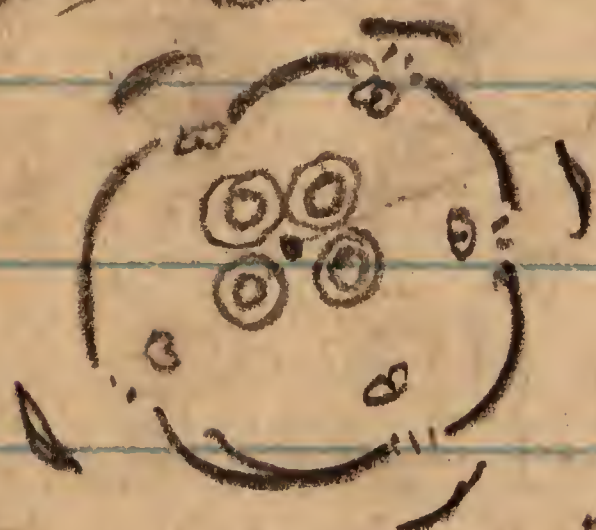
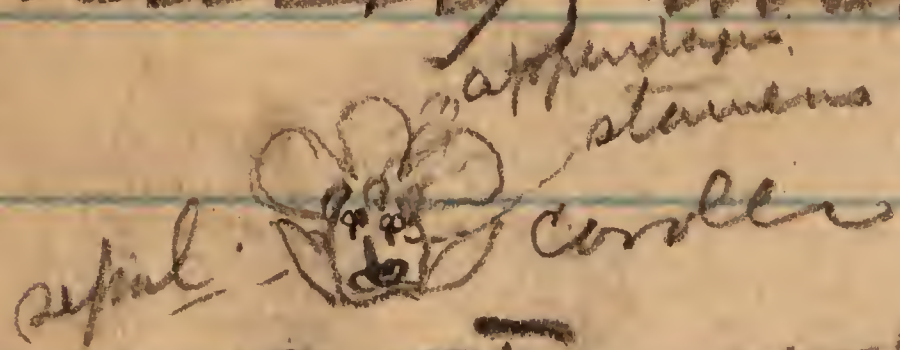
Blebs virgata

first leaves at the

center of stems

first - very erect

Same loc. and etc. as above
Plant - 12' - 30' high, soft
 hairy, with many branches.



See root

Stem erect, herb, exogen.
Leaves Lower oblanceolate, smaller
 upper lanceolate, entire,
 simple, no stipules, alternate.
Infl. - fl. in rounded
 racemes from axils,
 producing a very ^{compact} ~~compact~~
 large cluster.

Calyx of 5 green, lanceolate
 persistent sepals becoming
 larger & leaf-like in fruit.
Corolla monopetal, 5-lobed, lobes
 (slightly emarginate)
 rounded, spreading to tube,
 bright red, with little

hard-like appearance forming
a crown which nearly

shows structure.

Stems 5- on back of

corolla, 2 cells wide,

alternating with leaves.

Bract, ovate, 4, showing

into flat leaf, long like

bract, style 1, stigma 1.

anther.

As used especially

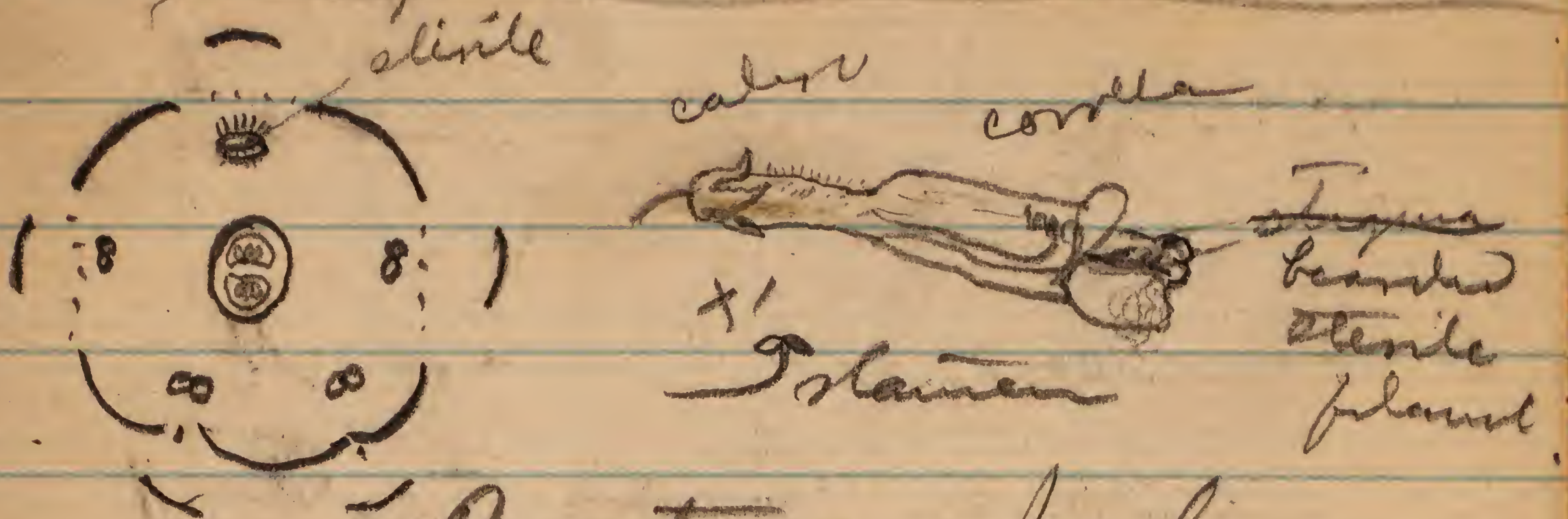
refers to sharp buds

leaves of leaves

Root long, simple
primary, conical.

Cynoglossum officinale

Date, Loc., etc. same as above



Penstemon pubescens.

Plant 1-2' high, soft-downy

Root - secondary from R. Stalk

Stem, erect, herb. exogen.

purple at base.

Leaves opp. simple, spat.
at base, to lanceolate
above, irreg. serrate,
nerv. veined clasping, sessile
stems.

Inflor. terminal, paniculate.

Calyx of five, ovate, short,
green sepals.

Corolla, monophet 2. lipped
upper 2 lobes, recurved, lower
3-lobed, middle lobe smallest.

Lower Lip with two teeth

Teeth 4 good, upper

Teeth 2 small, lower

Teeth 2 small, lower

Teeth 2 small, lower

Teeth 2 small, lower

Teeth 2 small, lower

Teeth 2 small, lower

Teeth 2 small, lower

7

reparation with clean & cordable out before

town - Corbridge at

22. 12. 1792

Carilla. Minute, deep

5 parted, tube very short,

lobes, yellowish, tinged with

red, downy, no very wide

lobes very broadly ovate or truncate

Stamens 5, purple, filaments

surround with purple hairs, or

very dense of scales, rather

1-seed.

Petal, 1 corolla, very

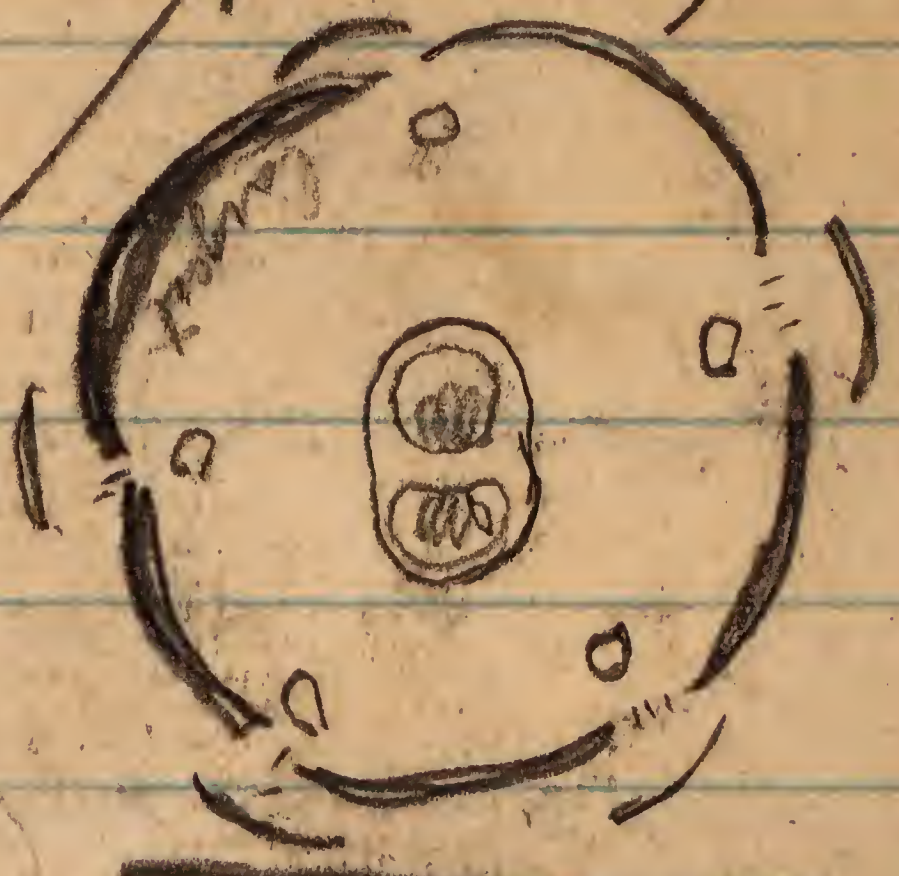
1-seed, style oblong,

curved, short, stigmatic

terminal, rather

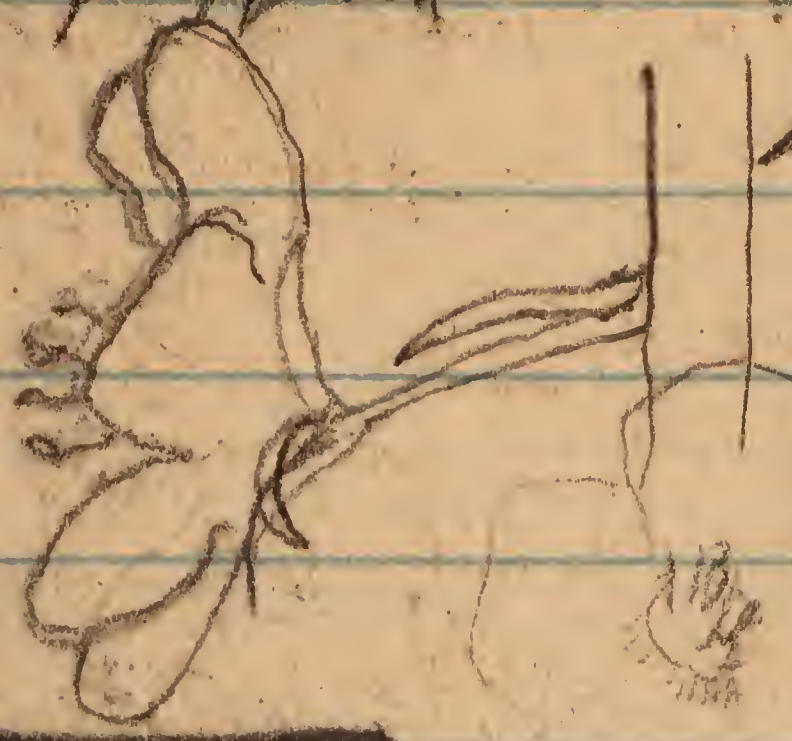
Clottaria

Valerianum



some marked from

on line of vessels to



new

from appearance of Complanata
 and can

Plant collected June 27-'85
on the sand flats above high-water
in Norfolk Harbor.

Plant - 6-12, smooth, not branched.

Stem - Erect, herb, thick for so
small a plant, longitudinally
ribbed (or rather angled)

Root - Simple, primary tap, short
with few rootlets.

Leaves - Few, inconspicuous, leaf.
alternate, $\frac{1}{2}$ + long, linear.

Inflores - A short dense raceme
of ~~subsessile~~ ^{red} sub-sessile
small, irreg. flowers, ^(with 2 long)

Calyx - of 5 sepals, three green
acute, small; the "wings" petal-
like (red) less than $\frac{1}{2}$ corolla, oblong
(or obovate) acute.

Corolla - of 3 red petals, lateral
narrow, rounded, tapering to base
& forming a portion of tube; the 3rd
position conspicuously; clasp of petals
united into ~~some~~ tube (clasp)

11
June 28 - '85.

Pine woods near Norfolk.

Plant 12'-15' high, smooth.

Stem, spreading (or ascending)
branched, exogen herb.

Leaves Compound, ^{alternate} 3 leaflet,

long-petioled lateral leaflet

short-pedicelled, terminal with

long pedicel, leaflets, ovate,

obtus (or nearly acute) slightly

cordate at base, netted-veined,

stipules small, ovate, acute, green

Inflorescence Fl. showy, large,

solitary or in pairs, on slender pedicel,

woody; 2 deciduous bracts just below

Calyx Broadly tubular, green, ^{calyx}

monosep., 5-lobed, lobes ovate,

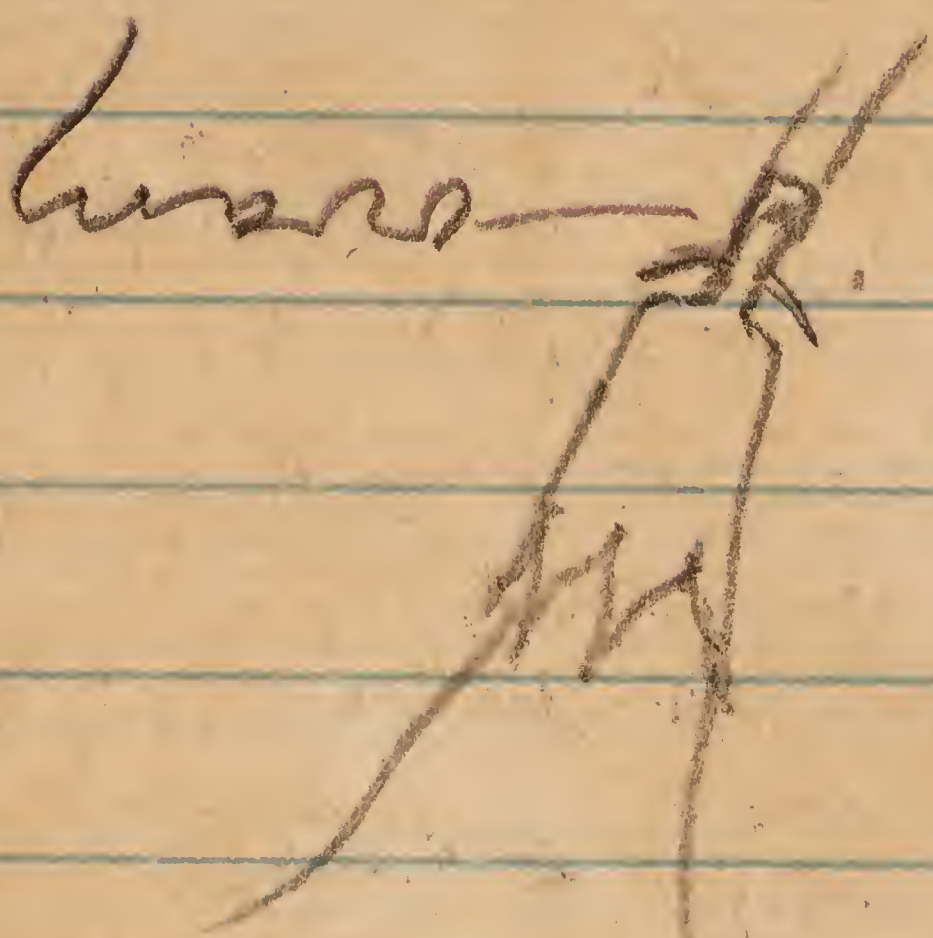
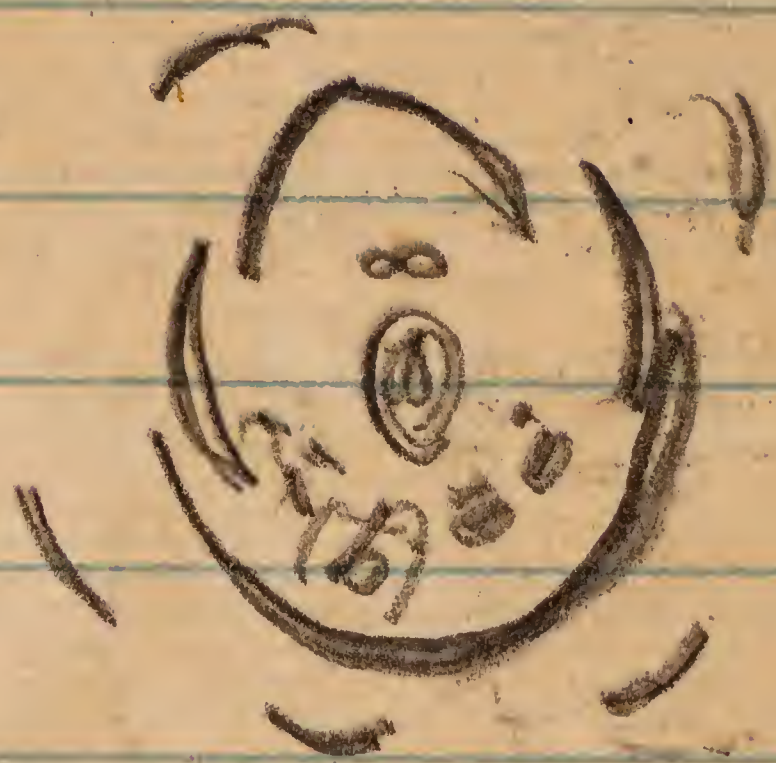
acuminate.

Corolla papilionaceous, light

purple, with darker markings

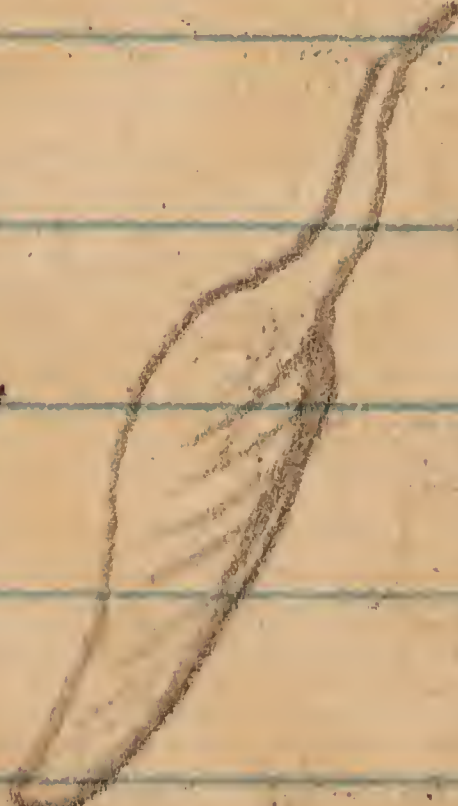
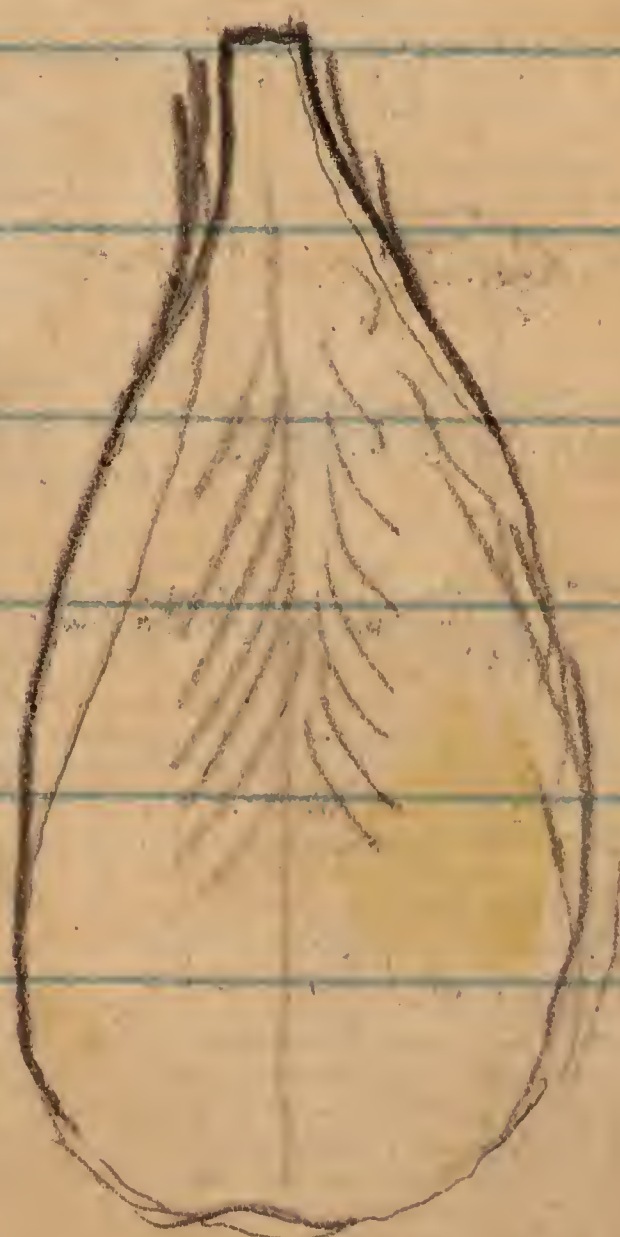
on the standard, standard

large, enclosing keel,

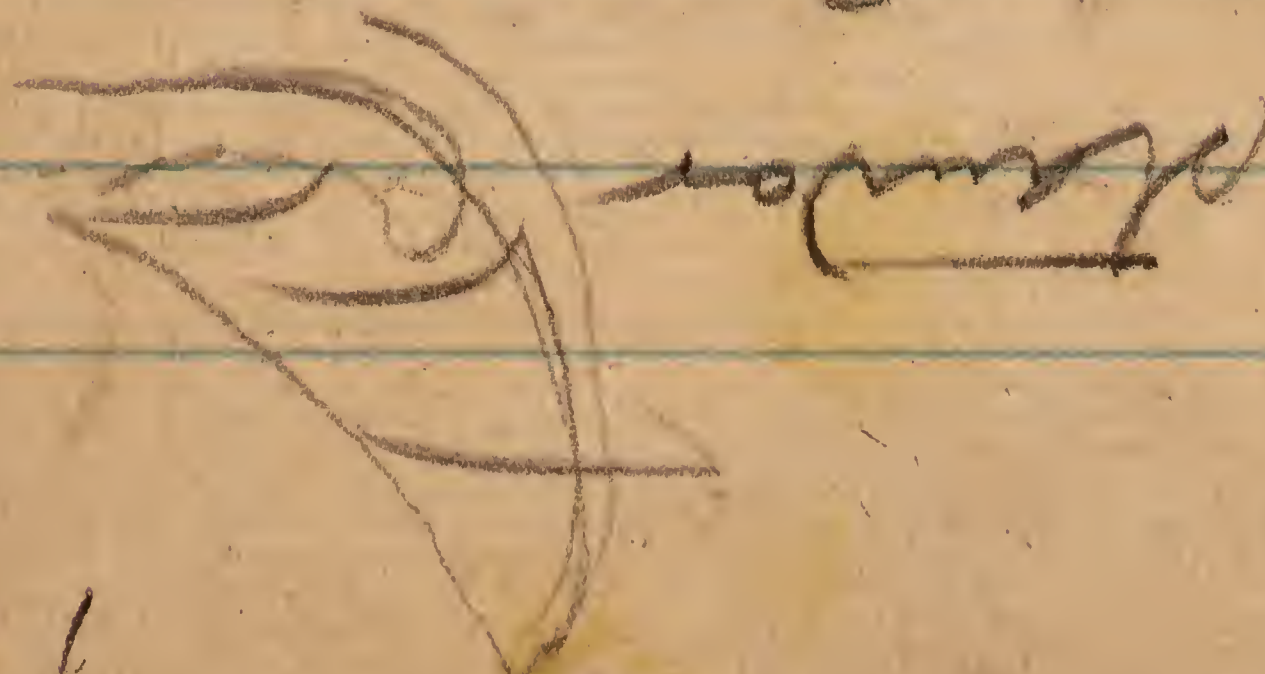


1 cell,

Stamen 10, double, (1-9) filaments
 slender (1) and 2-3 cells
 Pistil, style, flattened, ovary,
 stigma terminal, anthers,



1 ovary



Coll. July 3 - 1885.

Swamps near Elizabeth City, N.C.

Plant. 1st - 2nd - Smooth, muculent.

Stem, erect or ascending, hollow
cylindric, herb. anolog.

Leaves - 2 - Radical one long
petioled, the one on stem short-
petioled; (or elongate sag. - cordate, parall. veined
margin entire, obtuse, stipule
of stem-leaf forming a long
sheath for stem

Inflor. a close spike of blue
flowers, with a large sheathing
"Opathe" (which does not incline spike,
or involucre) below flower stalk.

Fl-stalk, downy. (flow. in clusters of about
5, sessile & common base)

Calyx, downy in bud,

Monocarp. - two lipped, upper erect,
3 lobed, middle lobe broadest,
large yellow spot in middle; lateral
lobes linear, as are the three lobes
of the lower lip (see fig). Purplish-
blue; base reddish brownish, downy.

Stemon. 6 in 2 sets on branch, 14

(on lower lip of the fig), another 2-celled,

innate, (prop.-less); innately innated.

Print. 1, sample, very answer

one - cell, other members, included,

Original Document

Pontederia cordata

Save trouble - feed on them.

The friends were the same

kind in each cluster

in the long night

flowers 3 flowers were

about and then
in the next stage

very long

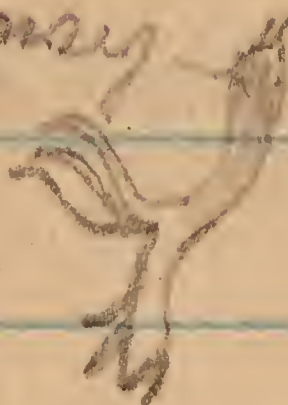
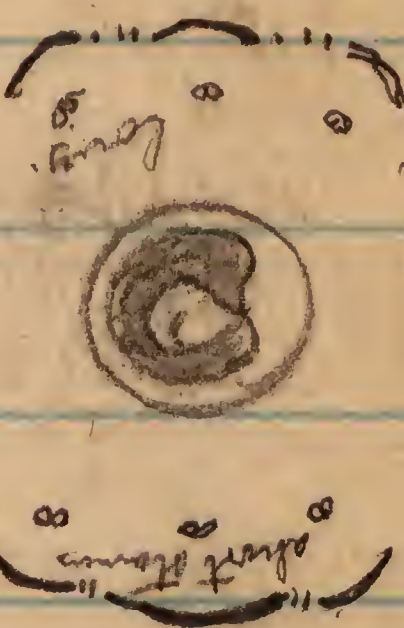
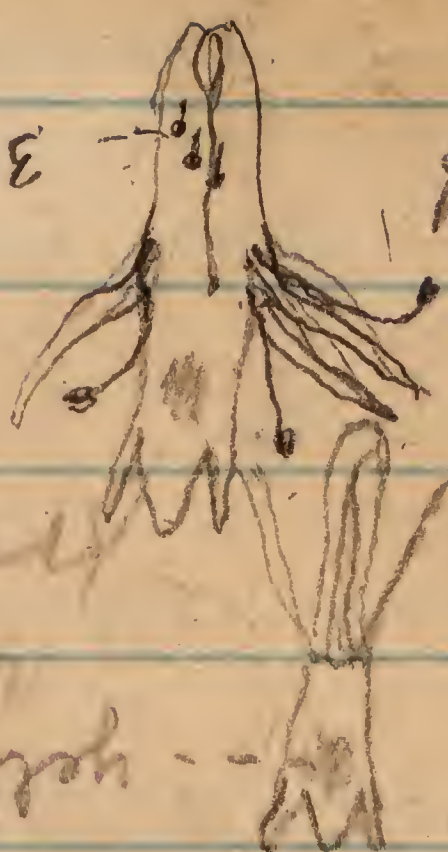
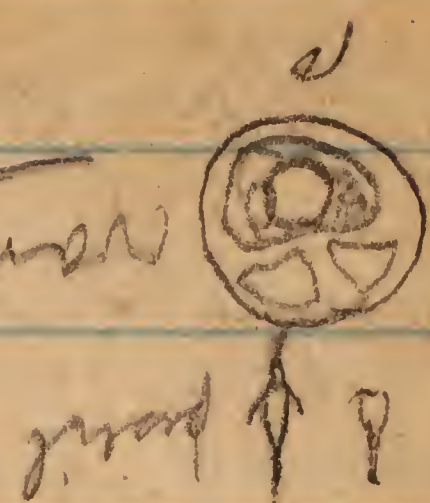
Leaves X 1/2

— yellow spots

1890

Pharmaceuticals
(anti-cancer)

3. 12. 1888



Coll. July 3.- along R.R. near
Elizabeth city, N. Car.

Plant. 1'-1½' - branching, spreading,
smooth.

Stem. Exogen, herb, spreading,
~~or pro~~ cylindric,

Leaves alternate, simple, sessile,
linear, no stipules.

Inflo. - in long slender terminal
& axil. racemes. Fl. irreg,
light purple, small, ^{green} bracts ^(the bract) = 1 to
short pedicels.

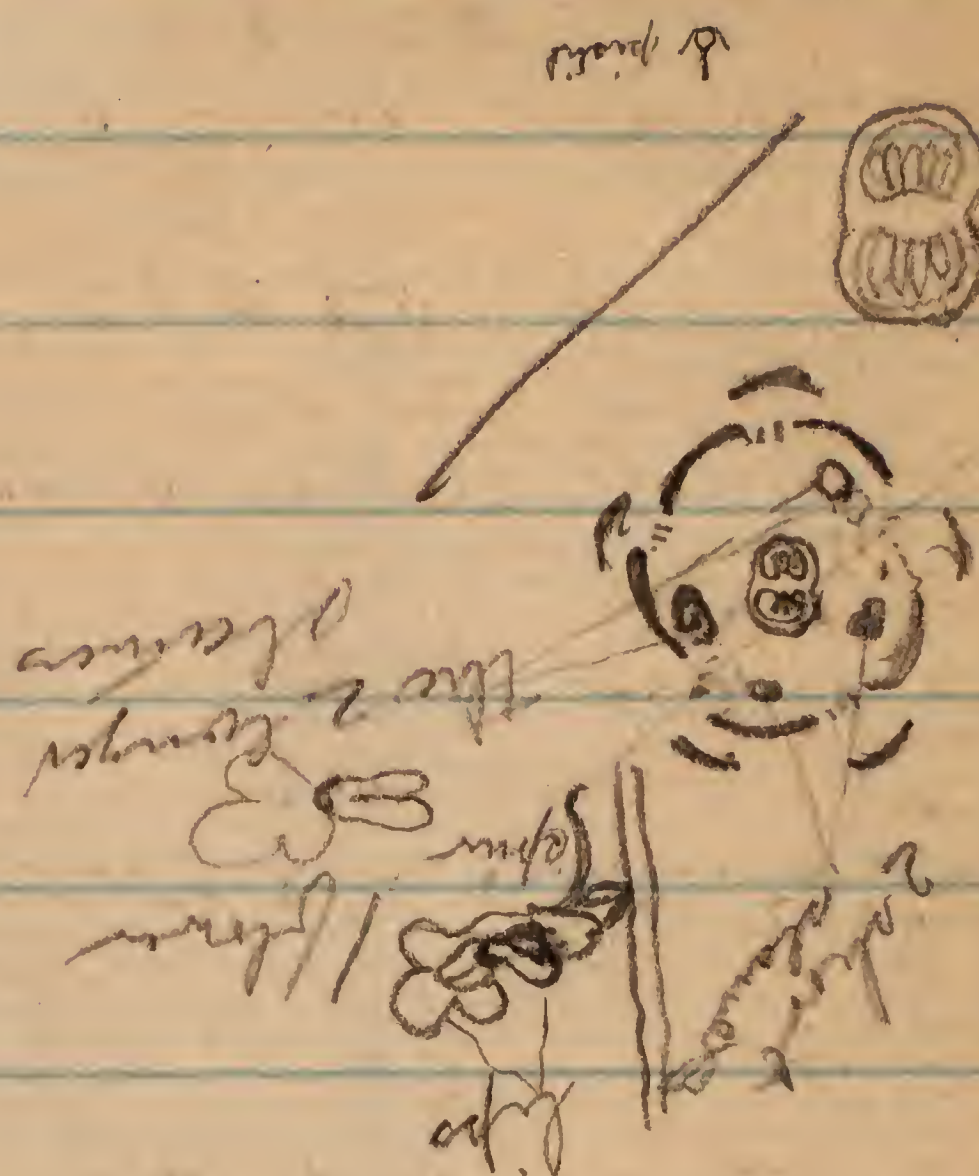
Calyx of 5 green, persistent,
lanceolate, slightly hispid sepals
which are slightly united at base.

Corolla irreg, 2-lipped lower
larger, 3-lobed, lobes broad, rounded
nearly equal. there is a large double,
convex ^(palate) inflation in middle of
lower lip which closes the throat
almost; upper lip much smaller,
2-lobed, lobes rounded, reflexed.

tube short, light purple. 16
with long, slender stem at base 16

Stem 4, lower part longer, with
1-celled (?) ; on tube of corolla
Pistil, 1-camp, very numerous
2-celled, style short, purple,
 stigma terminal.

Liriodendron canadense



Coll. July 3-'85 along R.R.
Near Elizabeth City, N.C.
Plant 12'-15' high, smooth,
succulent.

Stem erect, herb., exogen.,
Leaves - Lower spatulate, upper
lance, or ob-lance, acute, with
pellucid dots, entire, sessile, no stip.
alternate.

Inflor. Term., close, ellip. spike
of orange-colored flowers,
short-pedicelled, with linear, acute
^{or orange} green bracts.

Calyx of 5, orange-colored sepals, the
two lower very small, acute; the upper
broad, ovate, acute; wings large,
ellip. or ovate, acute.

Corolla of 3, ^{orange} petals united, the
lower one crested, the other two
obovate, clawed, rounded.

Stamens 8, minute, 1-celled,
united into a tube by filaments.

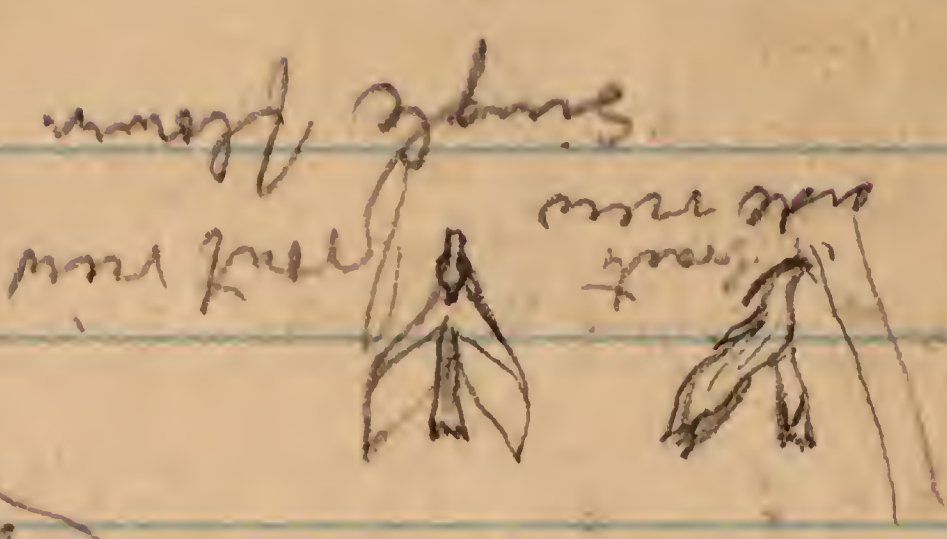
Part. 1, very few, 2-3 cells,
 1-ovule in each, style slender
 bent, clavate, 2 lobes of capsule
 nearly as long as the slightly
 hairy seed.

A showy, pretty plant

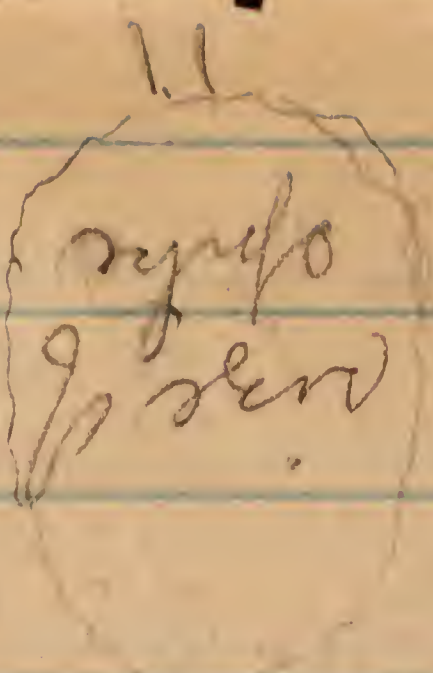
Polygala lutea.

Amymma

found at same
 time. Fine
 weeds.



single flower



Coll. July 3-1885. Pine woods
near Elizabeth City, N. Car.
Plant 12'-15' high, slightly
pubescent.

Stem, spreading (or procumbent)
herb, exog., slightly angled.

Leaves simple, alternate,
tapering to very short petiole,
entire or with 2 ^{slight} lobes at
base, lance-ovate, acute, or acuminate,
netted-veined (pinnate)

Inflo. in short leafy raceme,
fl. large, yell. irreg.

Calyx, monosep., funnel-form,
5-lobed, lobes ovate; green,
somewhat hairy

Corolla, somewhat irreg, 1 long,
yellow, 5-lobed, lobes rounded,
about equal; inflated, downy at base

Stamens 4, on tube of corolla,
filaments thick, yellow downy, as
are the 2-celled, introrse, sagittate

anther:

Practically 1 comp. very anther
2-colored: style long curved

stigma terminal, green.

Dasyctoma glava

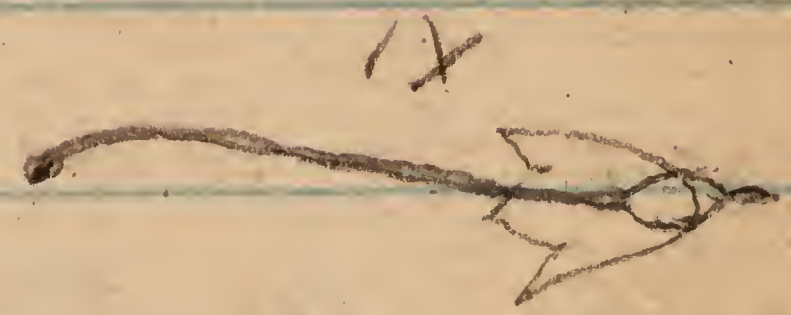
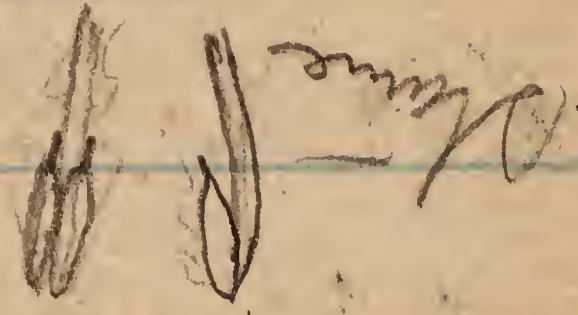
Distances of anthers irregular

Lower leaves very marked & yellow

longer

shorter

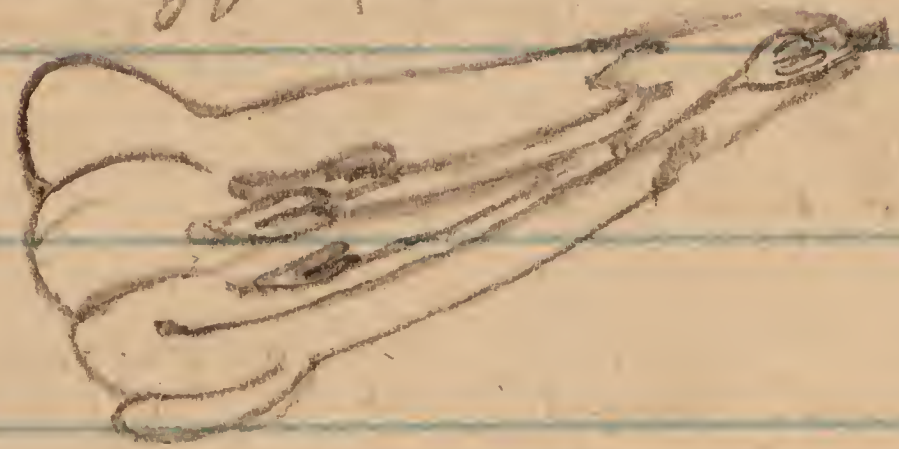
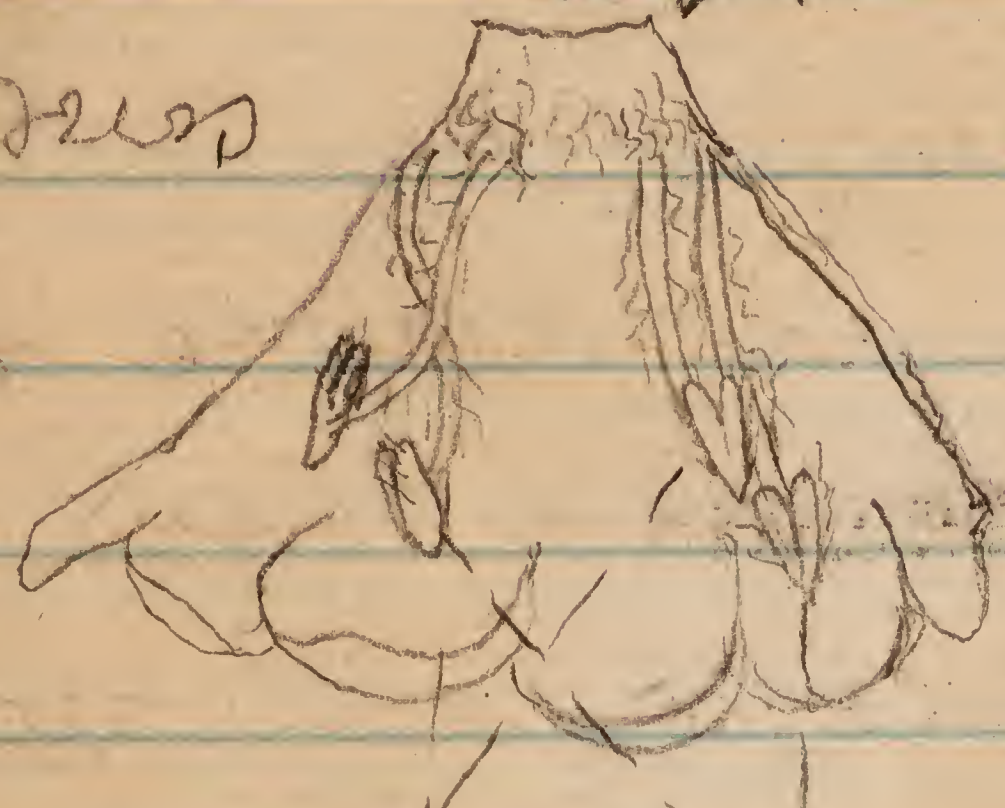
same



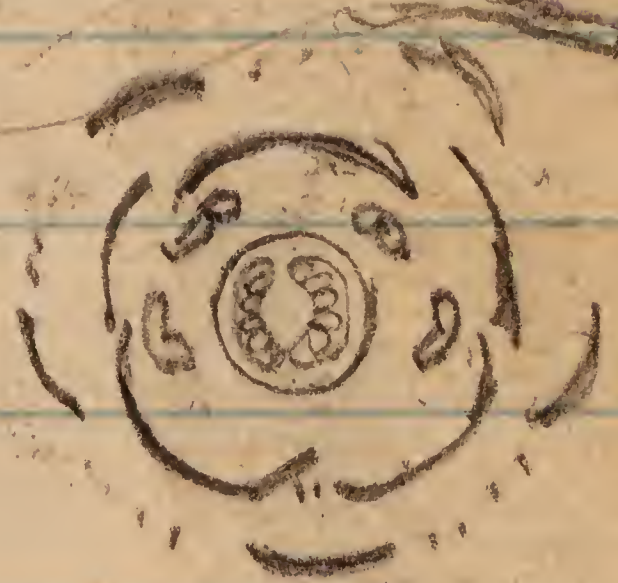
corolla

split on under

side



x1 flower



2 leaf



Spiranthes graminea.

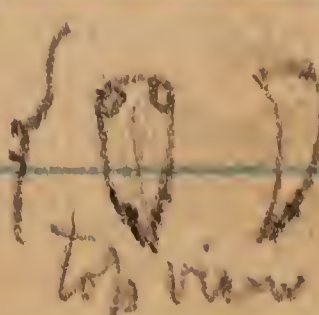
Col. July 3. Along R.R. near Elizabeth City, N. Car.
Plant 12'-18' high, simple.

Stem Erect, downy above, simple, androg., herb.

Root - a cluster of tuberos roots.

Leaves - ^{Lower} grass-like, linear, upper more bract, - few.

Inflores a terminal, spiral spike of irreg, ~~wh.~~ white fl., sessile with green (occasional-margined), ovate acuminate bracts, longer than ovary.

Calyx. White, downy, parts nearly equal; three upper united partly, the two lateral lance-linear, lip channeled, curved downward at base, apex crenulate, two tubercles at base. lip {  side view

Stemon, 1-2-celled, pedicel

by gland over the stigma

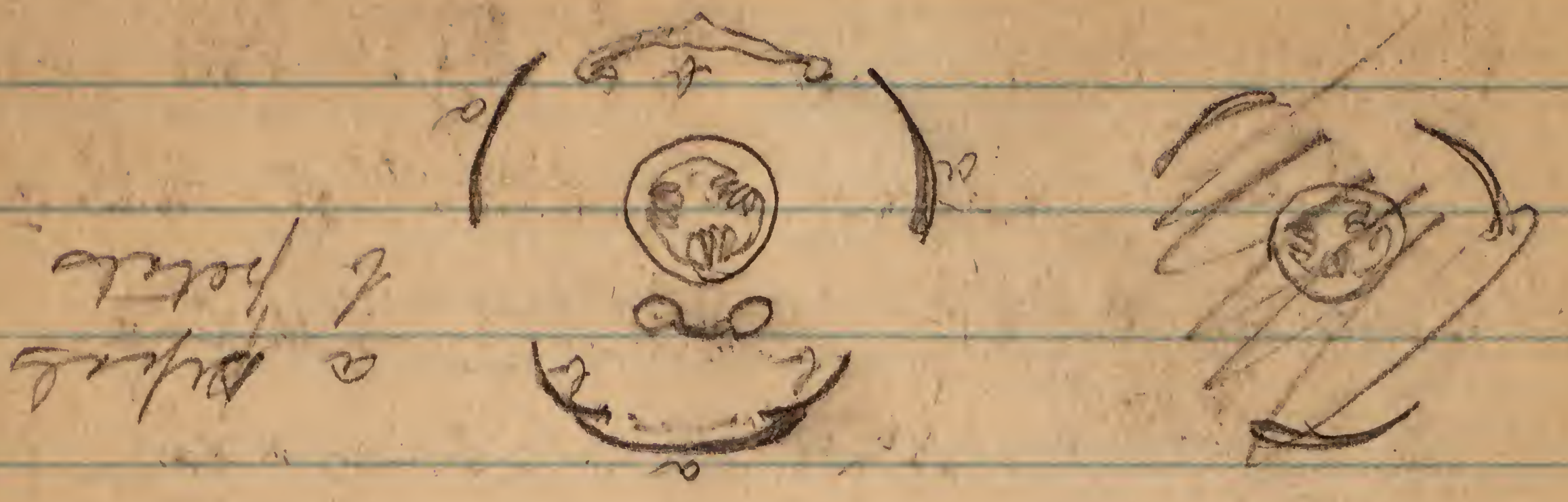
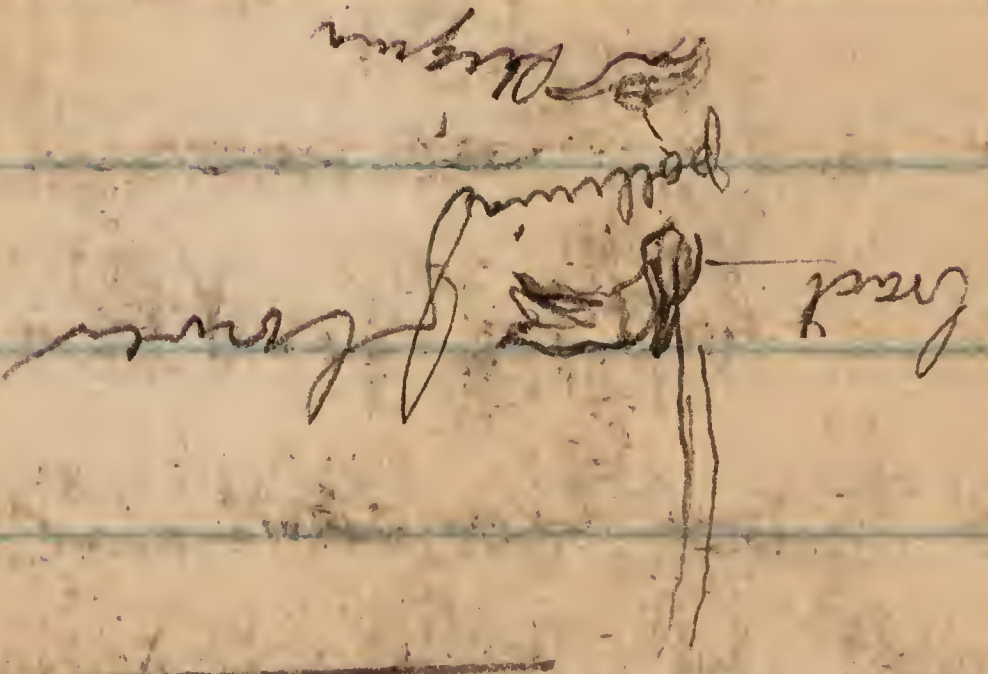
Pistil, 1 carp. ovary superior

down, 4 celled, 3 parietal placenta

ovule minute, numerous.

Stigma green, acute, acuminate

Stemon-peduncle



a. Petals
b. Pistil

Coll. July 3-1885. along
R.R. near Elizabetts City, N.C.
Plant. 2°-4° long, climbing by
tendrils developed from axils buds.
Stem - Prostrate or decumbent,
herb. (or slightly woody at
base) exogen.

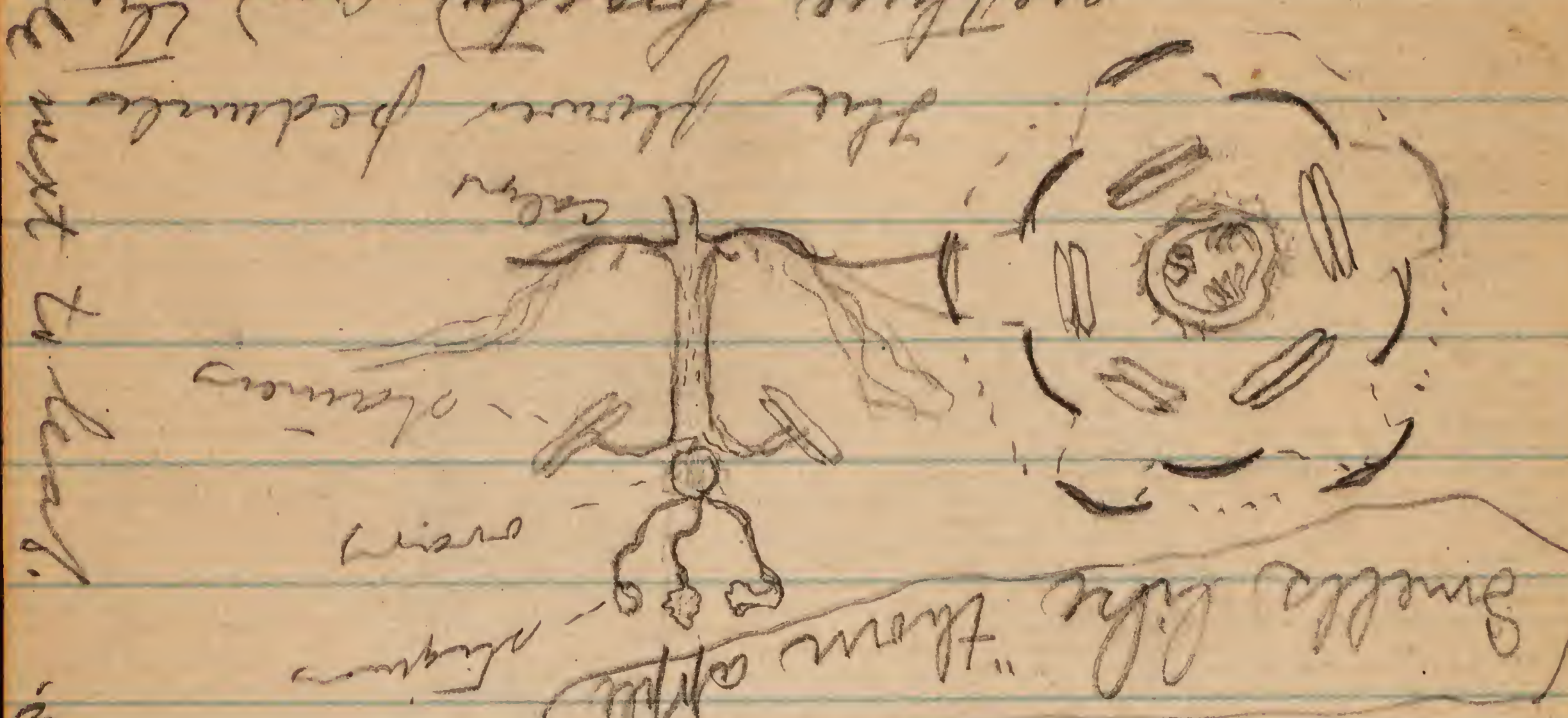
Leaves alternate, simple,
long-petioled, 3 parted, divisions
ovate, acute, finely serrate,
palm. net. veined, base cordate.
Inflores. Large showy flowers
on long peduncles, from
axils of leaves.

Calyx ~~inferior~~ ^{inferior}, five-divided, spreading
divisions long, elliptic,
sepals. 2
simple, green (white ~~at~~ within) with
a "horn" near extremity.

Corolla, ^{petal.} white, of 5
long elliptic spreading petals
which are on cup of calyx.

leaves have 2 glands at end of petiole next to leaf.
 another bract, and the
 the flower peduncle
 leaves have 2 glands at end of petiole next to leaf.

which is on calyx between
 stamens + corolla 20; 24
 Stamens of the crown purple
 in about 5 rows, those of outer
 two equivalent to corolla
 length.
 Stamens 5, filaments united into
 a tube around peduncle of
 ovary, the remainder soft, flat, white,
 forming the long, 2-celled, reniform
 anthers.
 Pistil. Ovary on long peduncle,
 above, 1-celled, 3 parietal placenta,
 filaments 3, pinkish, curved back, stigmas
 3, orange.



Passiflora muscivora
 Small like "Thorn apple"

Saururus cernuus.

In marshy places along
R.R. near Elizabeth
city, N. Car. July 3-85
Plant - 2-3° high, branching
smooth.

Stem erect, angled, herb.,
exogen.

Leaves alt with small sheathing
stipules, forming wings along
the long petioles, entire cordate
acuminate, pinnate-netted veins
smooth.

Inflor. in long, tapering spike,
recurved at end, fl. from small
bracts, naked, perfect; spike
springs from opposite of leaf.
fl. white.

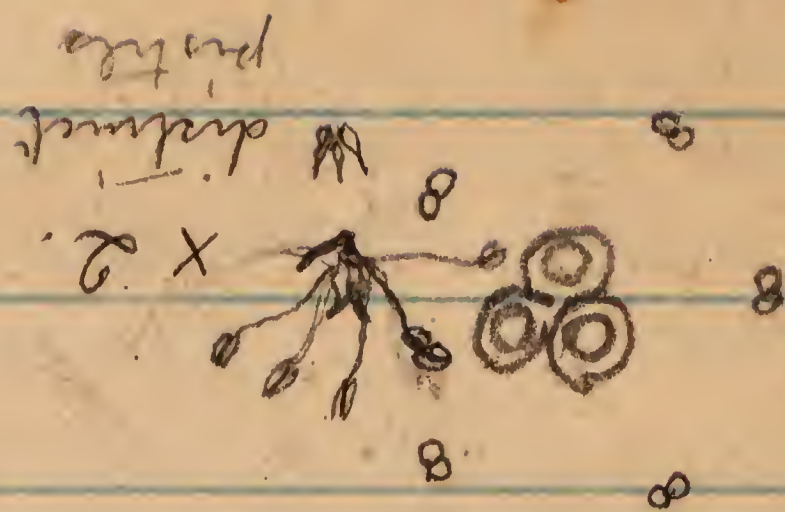
Calyx & Corolla none.

Stamens 4-6 ^(most commonly 5) on long slender
club-shaped filaments, ~~filaments~~.

Antennae 2-celled, small, imbricate.
Prolegs 3-6, usually three
 simple ones with short style
 & terminal apices, more or
 less united.

A large plant growing
 in swamp. 3'-5' long.

Spoke



Coll. July 3. along R.R.
in wet place near Elizabeth C. N.C.
Plant - 1^o - 3^o high. much branched
Stem - Shrub, spreading, exogen,
Leaves Borne in clusters near

extremities of long joints or
branches, alternate, short-petioled
obovate, acute, finely-serrate,
downy on midrib (as are the young
branches which alone bear leaves)

Inflor. Very short few flowered
raceme, of white, irreg. fl.
terminating the young branches
Glyx reddish, downy peduncles

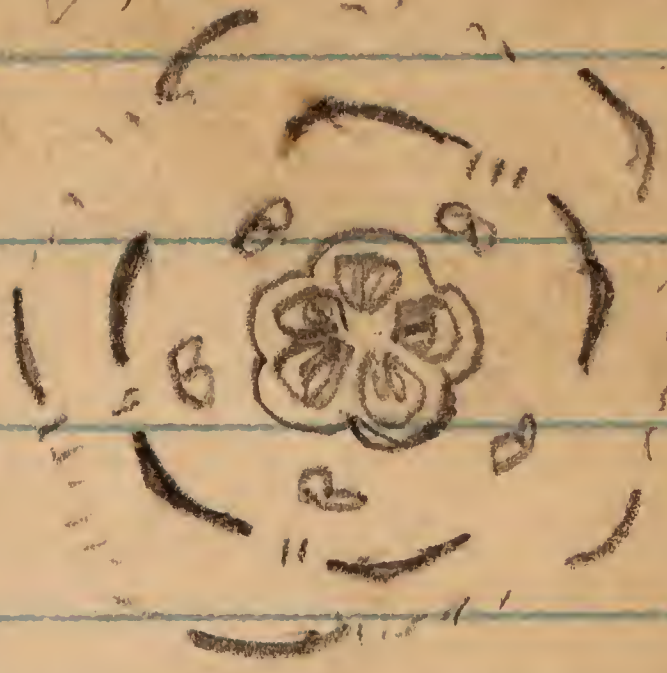
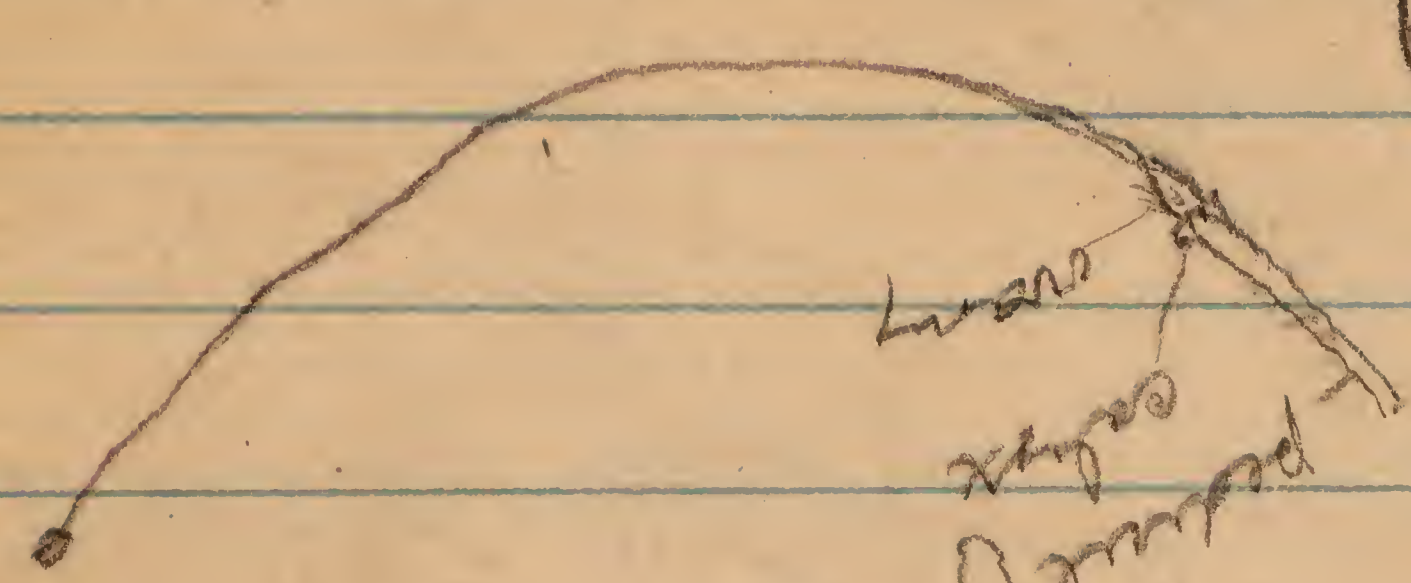
Palyx minute green, with 5 minute,
fringed lobes.

Corolla long, tubular-funnel form,
white, with red tinge, 2-lipped,
upper lip ^{4-lobed} dark-glandular-hairy
(with a few over the tube), upper lip
3-lobed, lobes ~~rounded~~ ^{acute}, equal,
cohering somewhat. The lower

Sep 2-1881, Note
 Steamer overboard, long slender
 filament showing out from within
 minute yellowish brown, 2 cells
 cylindrical, 1st white
 Protr. very numerous during
 5-celled, slender.

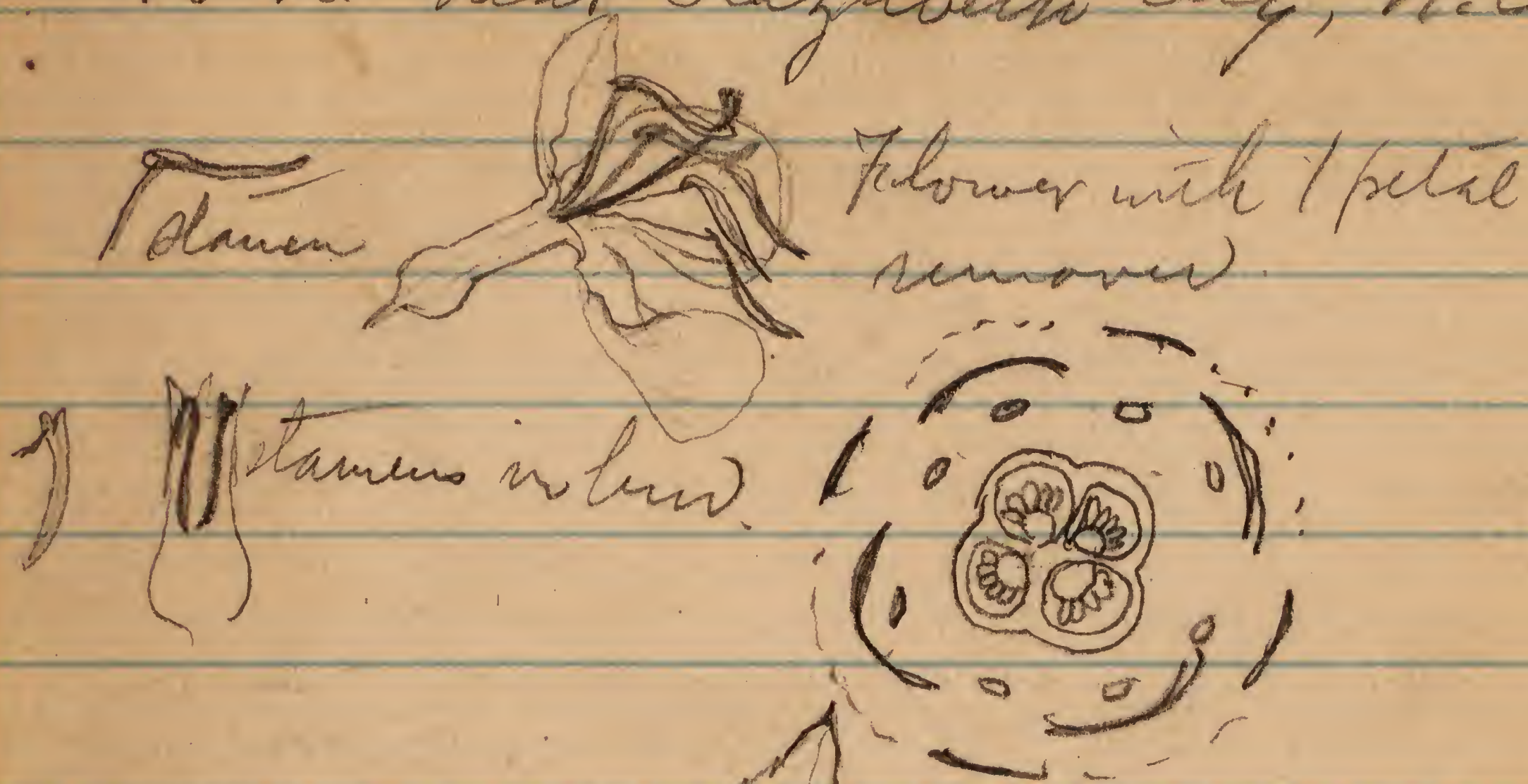
Agave
 no can (L)

Cleome sp.
 at side down



Some of the young-leaves are bristly
 above.

Collected July 6th 1885 along
R. R. near Elizabeth City, N. Car.



Rhexia
Mariana

Plant 12-15', whole sparsely
covered with long brownish bristles.

Stem herb, erect, hairy, exogen.

Root Primary, with many slender fibres.

Leaves lanceolate, simple, opposite,
crispate, almost sessile, covered
with sparse bristles above & on veins
below, margin sharply
serrate.

After. Distinct, fl. in Terminal
cymes panicled.
Calyx from shaded (or by) green,
tinged with purple, sparsely hairy,
inward, with 4 acute short lobes.
Corolla of four ^{partially} red, broadly
obovate, rounded petals which
are inserted on tube of calyx.
Stamens 8, (large + from one figure)
another 1 cell, filaments bearing
orange (from yellow) anthers etc.
Pistil. Compound ovary 4-celled,
ovules many, ascending style
long, exserted, curved, oblique
terminal.

Coll- July, 7th 85. Swamp.

Near New Bern N. Car

Plant 12'-18', smooth, acanulescent.

Root - ^{from} A coated bulb.

Leaves - 1, lance-linear, grass-like,
acute, 6'-10' long, smooth.

Inflores - A 4-6 flowered raceme
on long, slender scape; fl. virey,
sessile, small-bracted.

Calyx Sepals 3-ovate, acute, sub-
equal, lowermost narrower, pink-
purple.

Corolla of 3 petals, 2 lateral
oblong, acute, the upper
irreg (see fig) bearded with
yellow & channeled, all pink
purple.

Stamens 1. pollen mass
virgin, 2. (for position see
fig.)

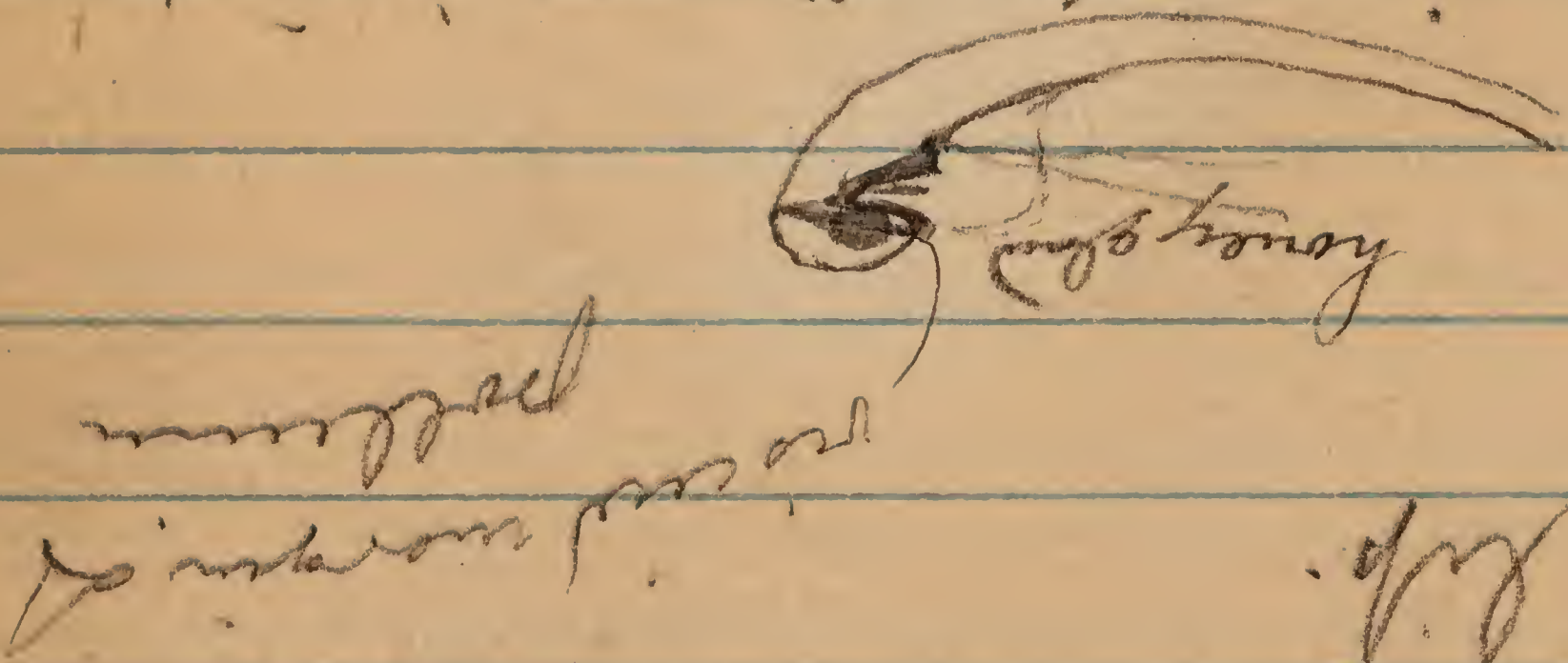
Pistil, Style long, curved,

pink-purple, stigma under

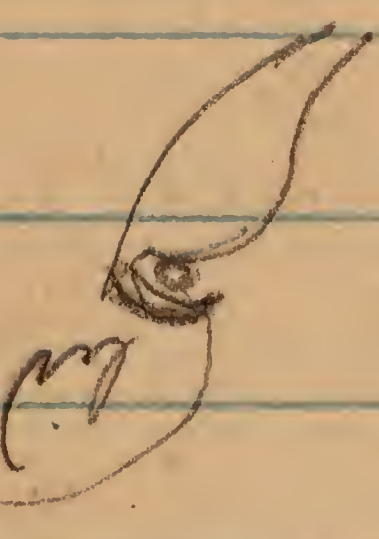
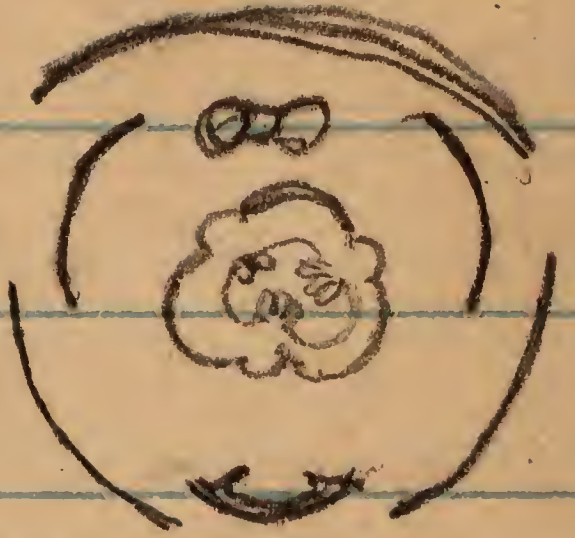
acanth

* always very 1-2 cells
3 perianth fls
green + hairy

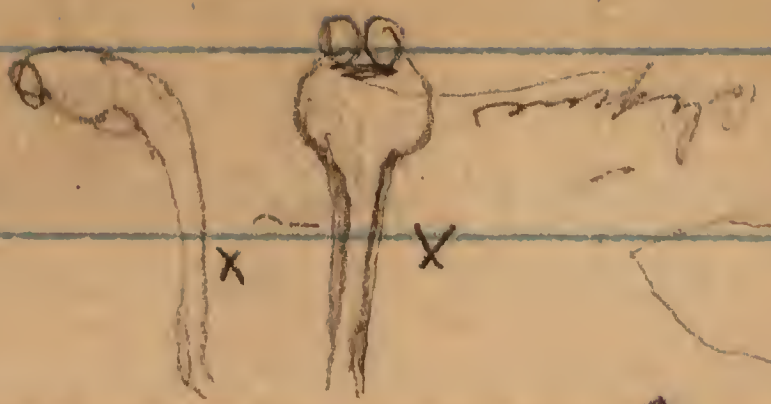
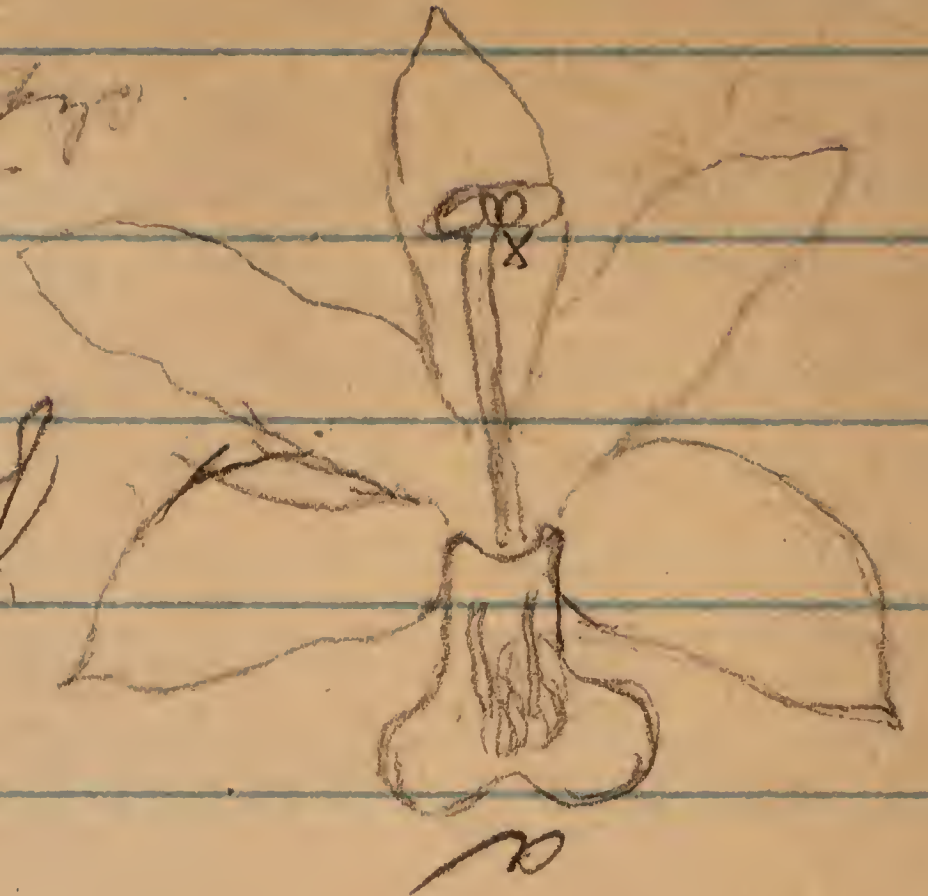
Calophyllum
pulchellum



when in fruit, in cal
pollen rich, when
with anthers, style 5
stigma



two
pollen
masses
with narrow
slits



with new
of (a)

July 7-'85 Along R.R.

New Bern N. Car.

Plant, 1-4' long, twining (by stem) smooth.

Stem twining, herb, exogen.
branching

Root, a long tuberous root (?)

Leaves, Compound, primarily 3-foliate
pinnate, stipules scale-like,

alternate, leaflets ovate-lanceolate, cuspidate, couple
white bracts at base of each
leaflet, entire,

Inflores fl. in short, peduncled,
axillary racemes; two green
calyx-like bracts at base of
each flower.

Calyx, green, 5-lobed, divisions
acuminate, covered with sharp
hills.

Corolla papilionaceous, large
showy, blue (purplish) with stand

which at base & middle,

Stomach very large, long

wings narrow, feet of 2 pairs

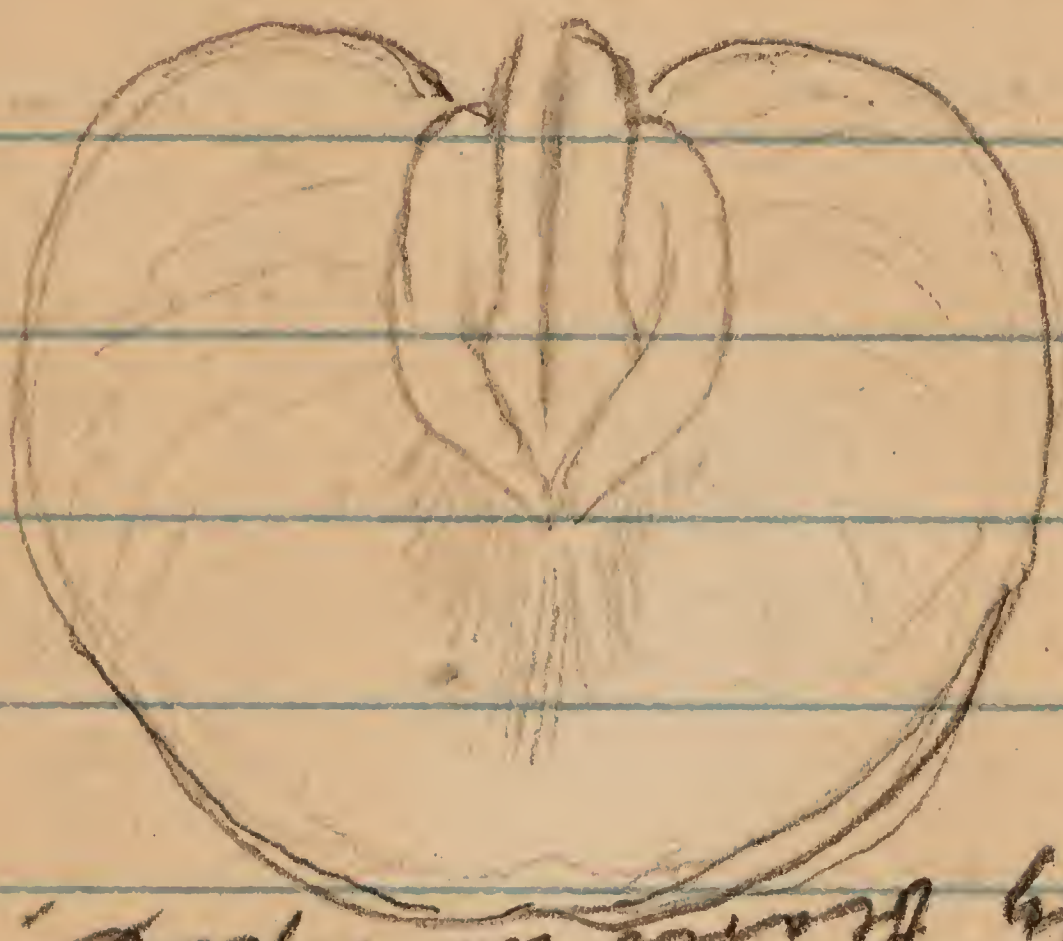
similar to others, others

Stomach 1-9 (in small - etc)

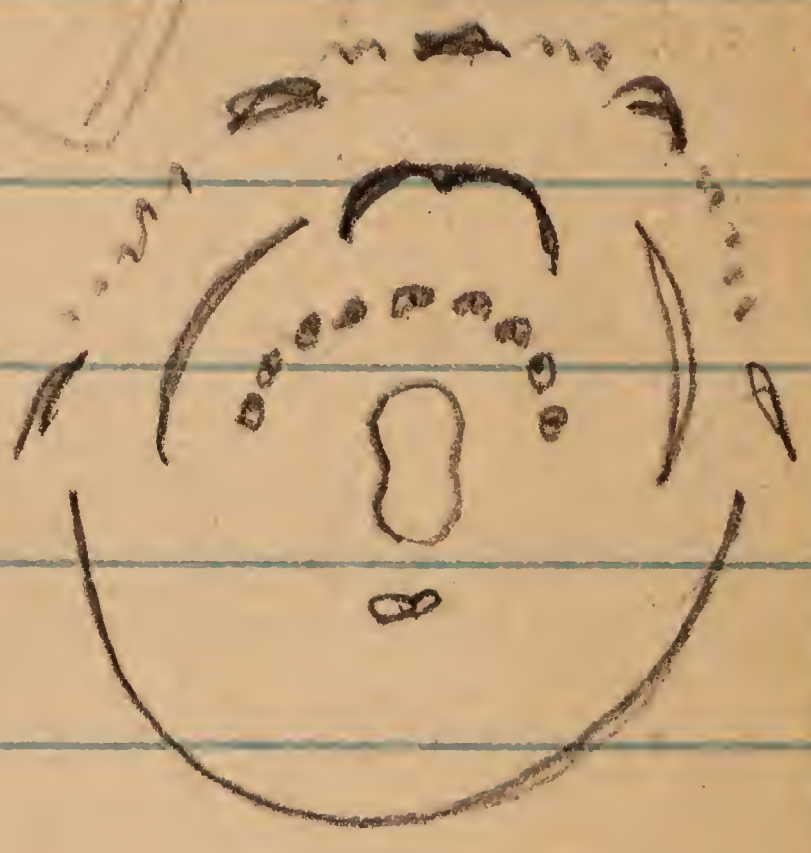
Partial, strong, great, few, flat

one-celled, very numerous

Stigma slightly flared at apex, Polygon

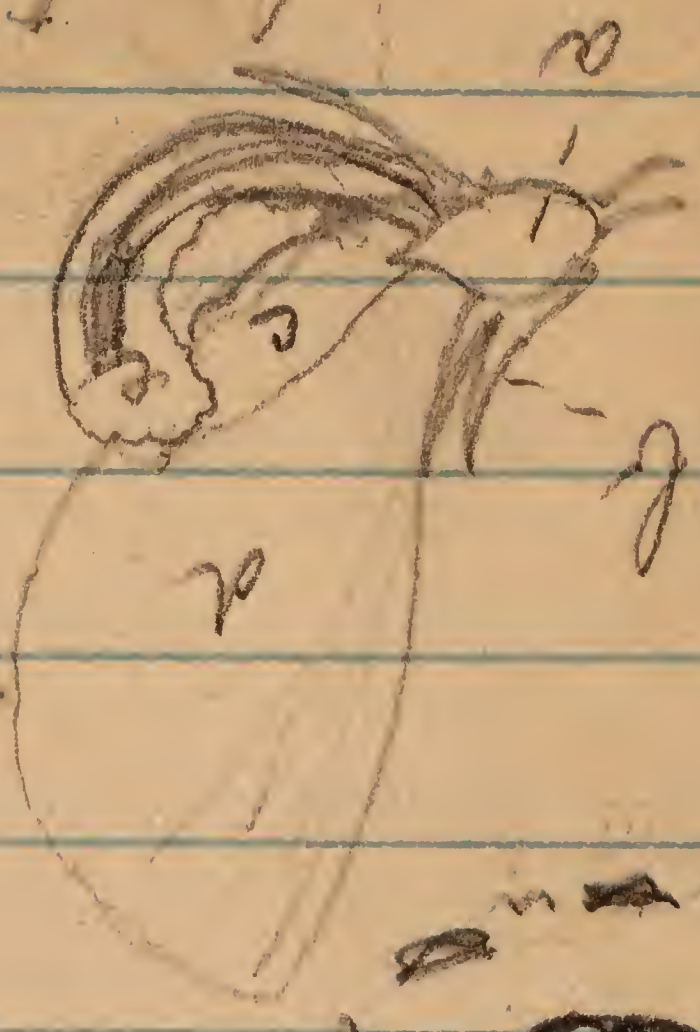
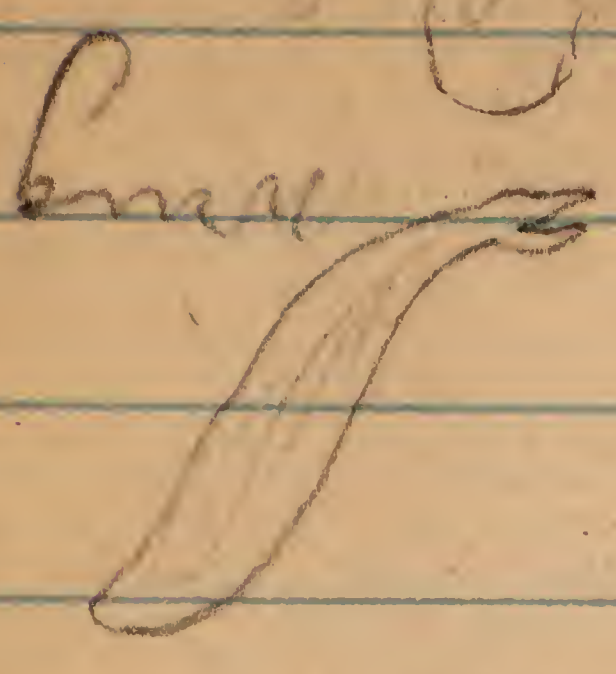


fruit
seed



Chitona maxima

long narrow



a-bract
b-calyx
c-wing
d-standard

a fruit, black

July 7- '85 along R.R.
 New Bern, N. Car.
Plant 2-4', forming matted
 clusters.

Stem twining, herb, sparsely
 downy, brownish.

Leaves - simple, alternate,
 very short-petioled, elongated
 cordate, cuneate, wavy
 margined or entire), pinnate
 downy above & below.

Inflo. Fl. ^{in axillary clusters (determ.)}
~~solitary~~ on long
 slender peduncles from axils
 of leaves, each with 2-calyx-like bracts
Calyx of 5, green, ovate, acute
 (sharp-pointed) sepals.

Corolla - Monopet. - white, funnel-
 form, 5-lobed (somewhat), lobes
 rounded; hairy on outside &
 at base internally; plaited &
 convolute in bud.

Stamens 5, on tube of corolla,

filaments from at base, tapering, white, anthers

green, 2-celled

pink, very numerous (in

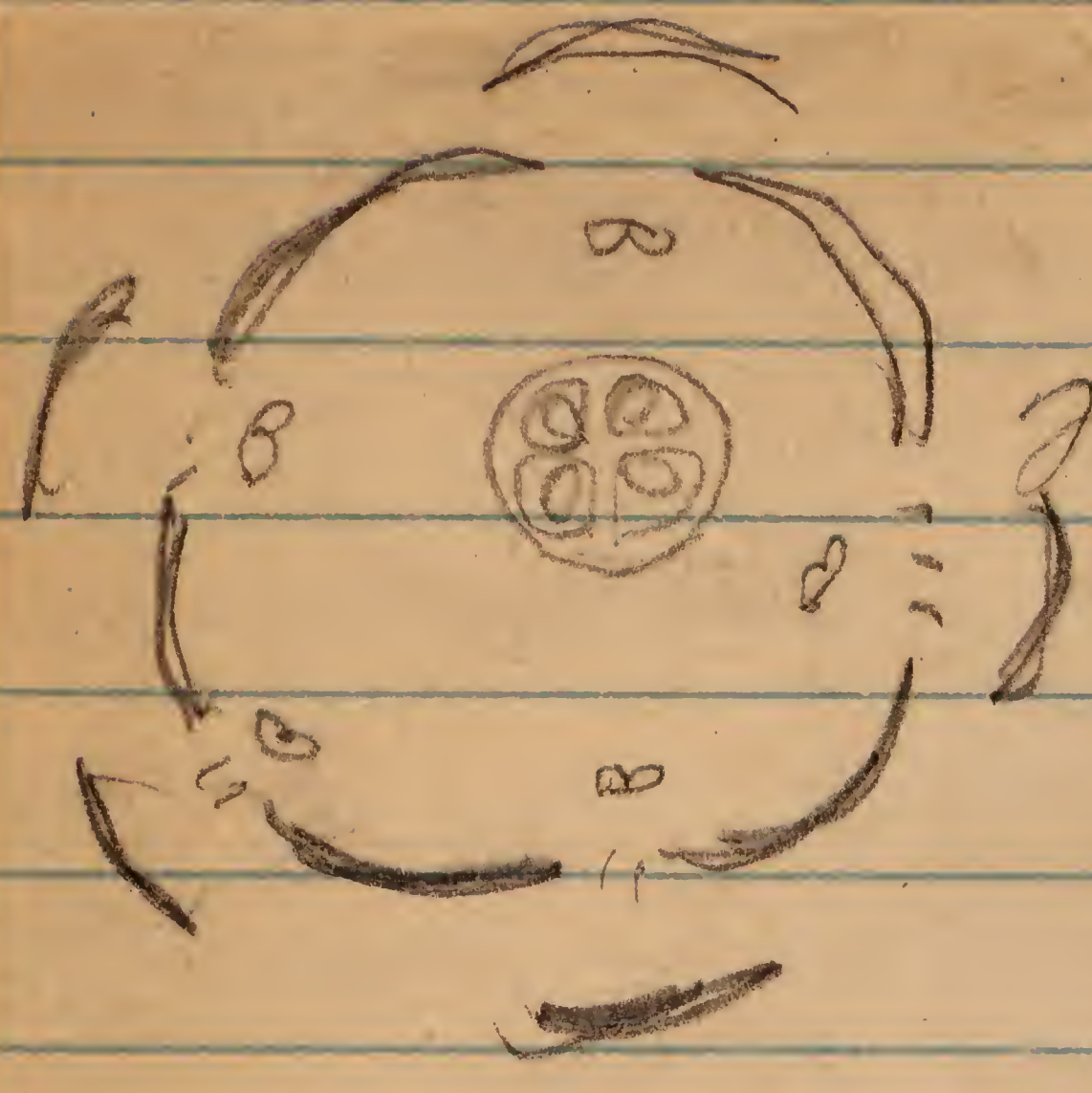
disc) 4-celled, style slender

white, stigma 2, minute.

Benamia

humilis (Gray)

Forma foliolia mulleri
same base + time,
flowers very pretty.



Coll. July 7-'85. Along R.R.
 (New Berne, N. Car.)
Plant 1-2°, slender.
Stem, erect, herb, ~~long~~ hairy
 exogen.

Root - small, simple primary.
Leaves Opp. simple, sessile
 downy, slightly serrate toward
 apex. Lower spatulate, upper
 linear.

Inflo. Fl. in long slender
 raceme (panicled). Fl. regular.
Calyx tubular, ribbed, purplish,
 slightly 5-lobed, hairy, with
 3 bracts at base.

Corolla purple, salver-shaped,
 lobes 5, obovate, rounded,
 tube hairy, ~~hairy~~ ^{also inside, especially} at mouth.
Stamens 4, on tube of corolla,
 minute, anthers 2-celled, black.
 subulate.

lens

XL



Plate / covering surface 2
 cells, style short, stigma
 flat; all shorter than calyx.

Coll July 7- '85 Swamp!!

New Bern N. Car.

Plant 8-12' high, smooth.

Stem, slender, much-branched

brown (woody?) at base, much branched.

Root simple primary

Leaves - minute, scale-like

green, opposite.

Inflor axillary, solitary, minute, short-pedicelled.

Calyx of 5 linear, small green sepals.

Corolla of 5 narrow, yellow

petals (larger than calyx) circinate when wilted.

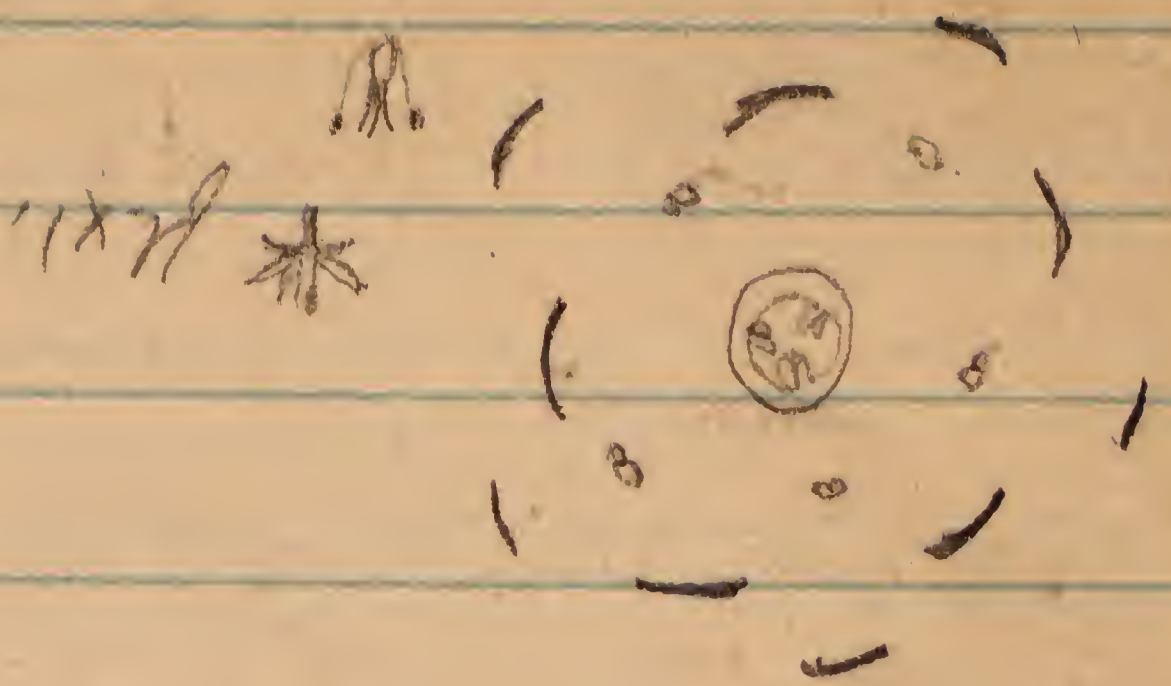
Stamens 5 (possibly 7?) filaments

slender, anthers minute yellow.

Pistil, 1-comp. ovary 1-celled

3 parietal placentae, styles

3, stigmas 3, terminal.



Thybesium
parviflora Muhl.

A. graveolens with fruit

Coll. July 7-85. Swamp
 New Bern - N. Car
Plant 15'-20' high, smooth.
Root -

Stem erect, herb., endog.
 woolly above.

Leaves alternate, "equitant"
 (clashing, acute, flag-like
 scimitar-shaped).

Inflor. A woolly, compound
 terminal indeterminate cluster.

~~Calyx~~, fl. pedicelled, ^{bristly} bracted

Calyx, bulbous, 3-lobed, lobes

linear, acute, woolly, yel.-green

Petal Petals 3, lanceolate,

woolly beneath, inserted on

Calyx.

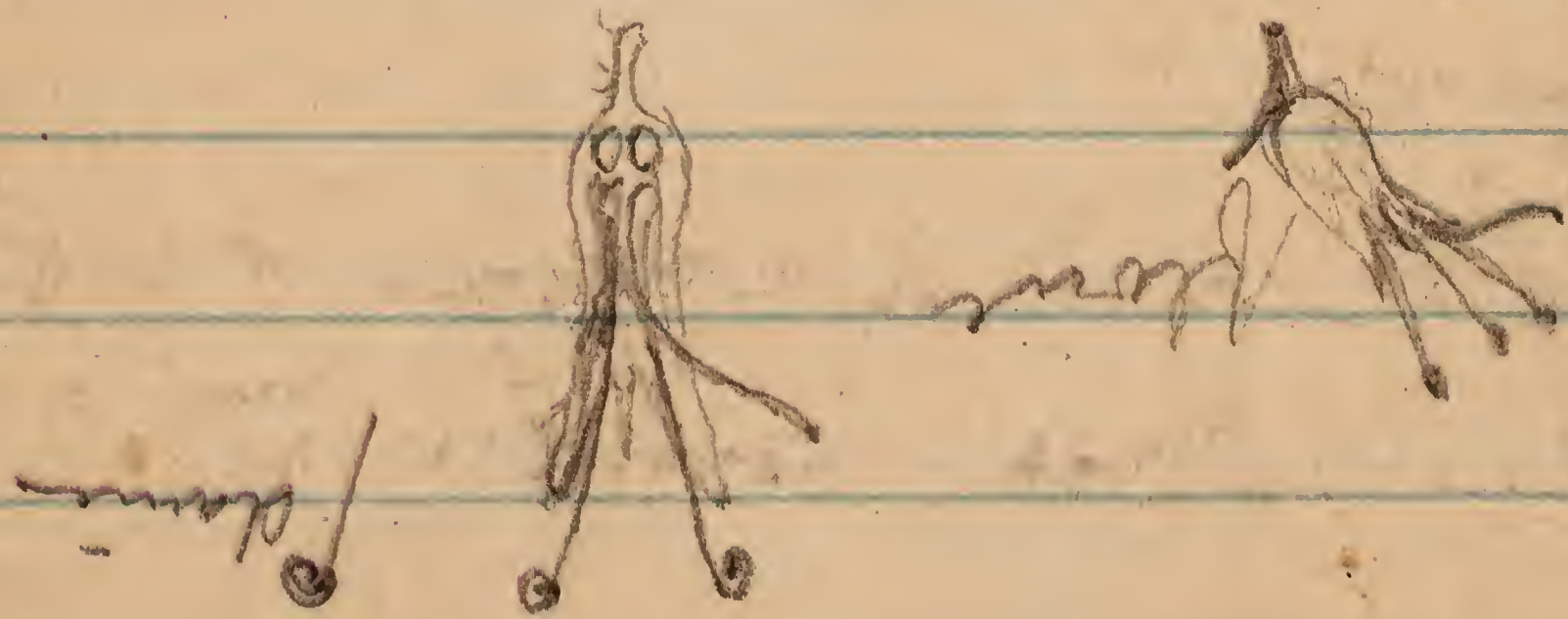
Stamens 3, a calyx, erect

much exserted, anthers 1-celled,

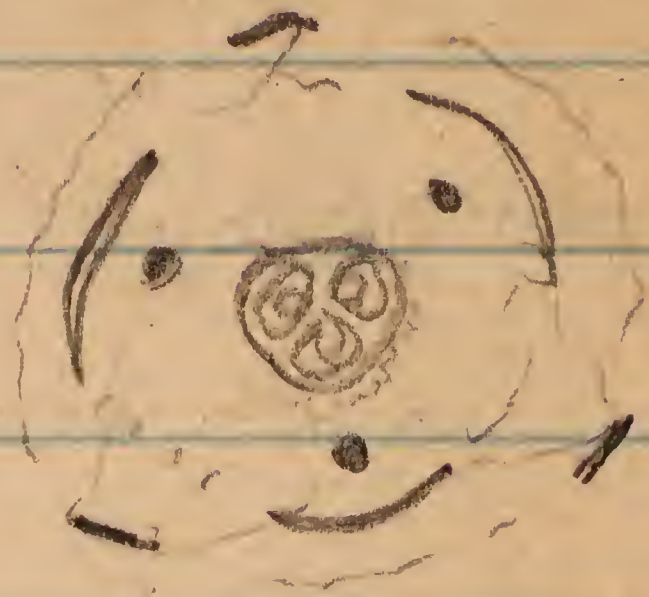
circinate (anthers) (just at

base of petals).


Prost. - Style bent to one side -
 to oblong, sessile, slightly
 terminal, many 3-cells,
 on the side of the peduncle.



Lachnanthus
tristoma
 (2)



July 28. *Setum Makohina*⁴³
Y New Bone

 petal x 1 - light yellow.

Plant - 18' high - smooth, slender
Stem - erect, simple, exoge
herb. very slender

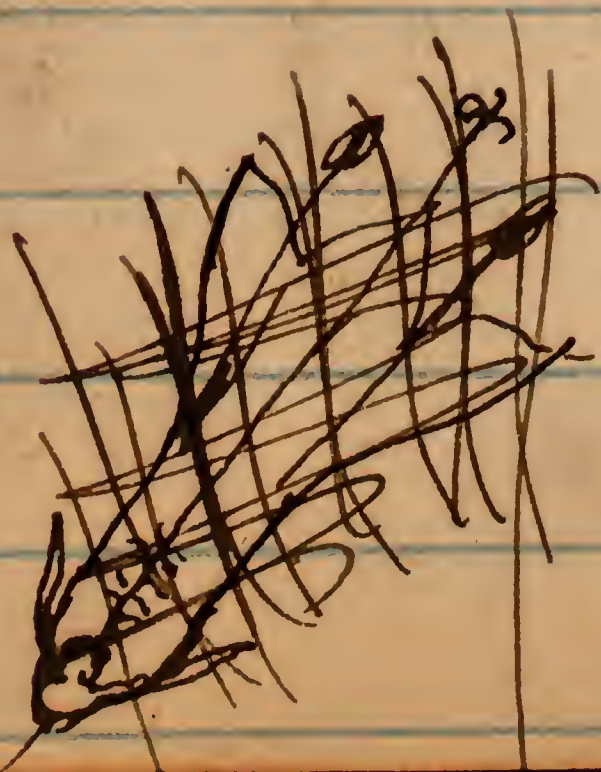
Leaves - small ($\frac{1}{2}$ long), ob-lance,
acute, ~~fl.~~ entire, serrile-altern.

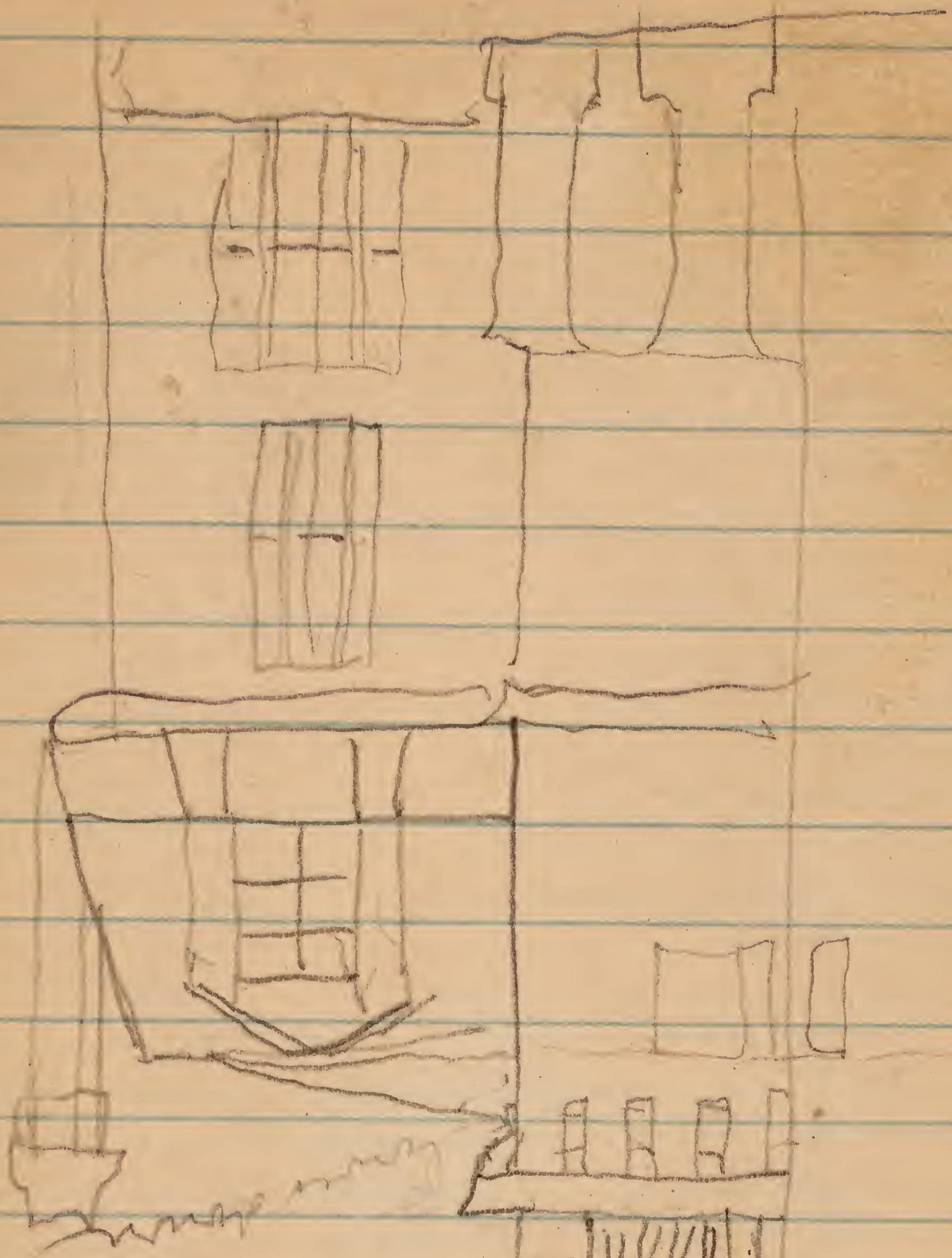
Inflor - *Setum*, few flower
cyme,

Calyx, monoph, five-lobed,
divisions unequal, acute,
green.

Corolla of 5 oblate, obtuse
pale yellow, short ^{row} ~~clawed~~ petals.

Stamens





2. 6/11/11
 2. 6/11/11

2. 6/11/11
 2. 6/11/11

City Hall
 at 7:00

45




77



2

70

20



2

2

10

Feb 21

2

Q

W



with
the
type

22

22

But I know
the body
section clear
ground

John R. Kelly

Page 12

2

4 + 5 - Bugula -
6 - Loliopsis - 1

7
8
9
10 } Pennaria

Sycaltheus - 9.
Cigu box trabs } Cerralies 17
 } Pennaria 8
 } Bugula 1
 } half-crab - 1
 } Pipe fish 1 - vis

Box - Norfolk Island
Bougainville Bay Cephalopods
Alex. coral - Norfolk I.

Box 2

12 large & about 12 small
Lebrina & 3 lady crabs

Box 3

Lobsters - 14

Lebrina - 6

Wood's Hole

1" {
2" {
3" {
Folys - 30

4" {
5" {
6" {
Folys - Norfolk
several

7" {
8" {
9" {
Star fish

10" {
11" {
12" {
Algymanus

13" {
14" {
15" {
Mysa - 4 Hemul' crabs

1 {
2 {
3 {
Mysa -
Citharus -
Mysa

49

Journal

Box 4

Limulus 2 mulf

Bulla solitaria

{ Littorina undulata

{ Trilia tris

Ensatella ann - 19

{ Purpura lapillus

{ Hermit crabs. -

Arctia molitor - 30

Oreodula formid

{ Penaeus monodon 5

{ small shells So. D. T. m. l. h.

Paracerasia -

Starfish - 40

Secondary sp. has *Wittichia* ?

1872
Wittichia - present
to 1861 - likely above
a small section below

Leafy casts. — 15

Burgula —

Calce. alga

Chromola


Petricola pholidia 50

Planorbis 2 types

Mytilus 125

Visited the old S. Church
in Boston, Aug. 17-85.
On the N. side (inside) can
be seen the large window(?)
(like back of our court-room)
through which "Warren
entered to deliver his
famous oration in the
Boston manner.

Saw a picture of the
"Landing of the British
on Bunker's Hill, 1768,
'engraved, printed & sold
by Paul Revere."

Saw one of the old Hernian
leather caps. 

Price of dress worn by
Dorothy Quincy when married
to John Hancock. Hebbel's
little history.

7 covered ditch, 1 m. N.E.

well for.

"Mastic" cap 10 m. A. C. C. C. C.

bottom to base in 1878

smallest but which over

around the Atlantic

drinking cap of 100. W. W. W.

Washington clear

Household furniture

Barrels like around base

green etc

Ant. Alt. of 9. W. W. W.

Dec - 1798

Cartograph Alt. of 1000 ft. W. W. W.

From Equitable Building.

Monument - Various (see map.)
Capitol.

Capitol (Giles) down

mon.

Sol. 9 A.M.

Chagabini is before are

early gmnit as the

marked by the beam

at the v. of the beam

the pinkish s. of the

the light is of the

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Když popisovati budete
cestu z B. do E. a okolí
E. budou následující
místa a okolnosti zasluhovat
zvláštního povšimnutí.
Z B. když se vyjízdi byli
tvrze a ostrovy; dále
viděti bylo vřude (když tomu
destine, mlhavé povětrí
dovolovalo) břehy novo-
anglických oblastí, místa
kde vyběhaly ryby, neb
"špiče", mnohem čísněji.
Do P. jsme přijeli když
bylo čtvrt do 4 a vyjeli
jsem v pět hodin. Bál
jsem se daleko odchráti
a zdržel jsem se u lode.
Odpovědne se vyjízdu, avšak
bylo chladno dosti, tak
že většina cestovatelů měla
bude pokrývky aneb
těžké satstvo.

Víc takováto může
byti nejen velmi za-
jímavá, nýbrž i pořádná.
Dojme jako rozličné
zkusnosti, s nimi mohou
vždy sloužiti co učitelové
v budoucnosti, a
při přiblížení podobného
spisku mysl vždy
může zavítati zpět v
ty časy, kdy dojem
možná byl, aneb
kdy věc se přihodila
aneb viděna byla.
Jakožto more připominek
valí se pak v paměť, a
jak zajímaví stane
se přiblížení podobných
zápisů.

Das kann jednem
Hobben sein! —

[illegible]

From Court to Court at 56
Paved Asphalt at

8 A.M. Near a little
below in the "Hatch"
the court is working with
unsuccessful from

of some length.
of road about 5-3 mat

reference at full rate.
they going with the
road we goant
at. Paved directly

which is a little
in from the main
court being in a
little long with

on the south side of
the entrance to a
new road (to be built)
which was paved out
so near where

Longfellow's "Hesperus" (2)
was east ashore.
The breeze strong,

59

61

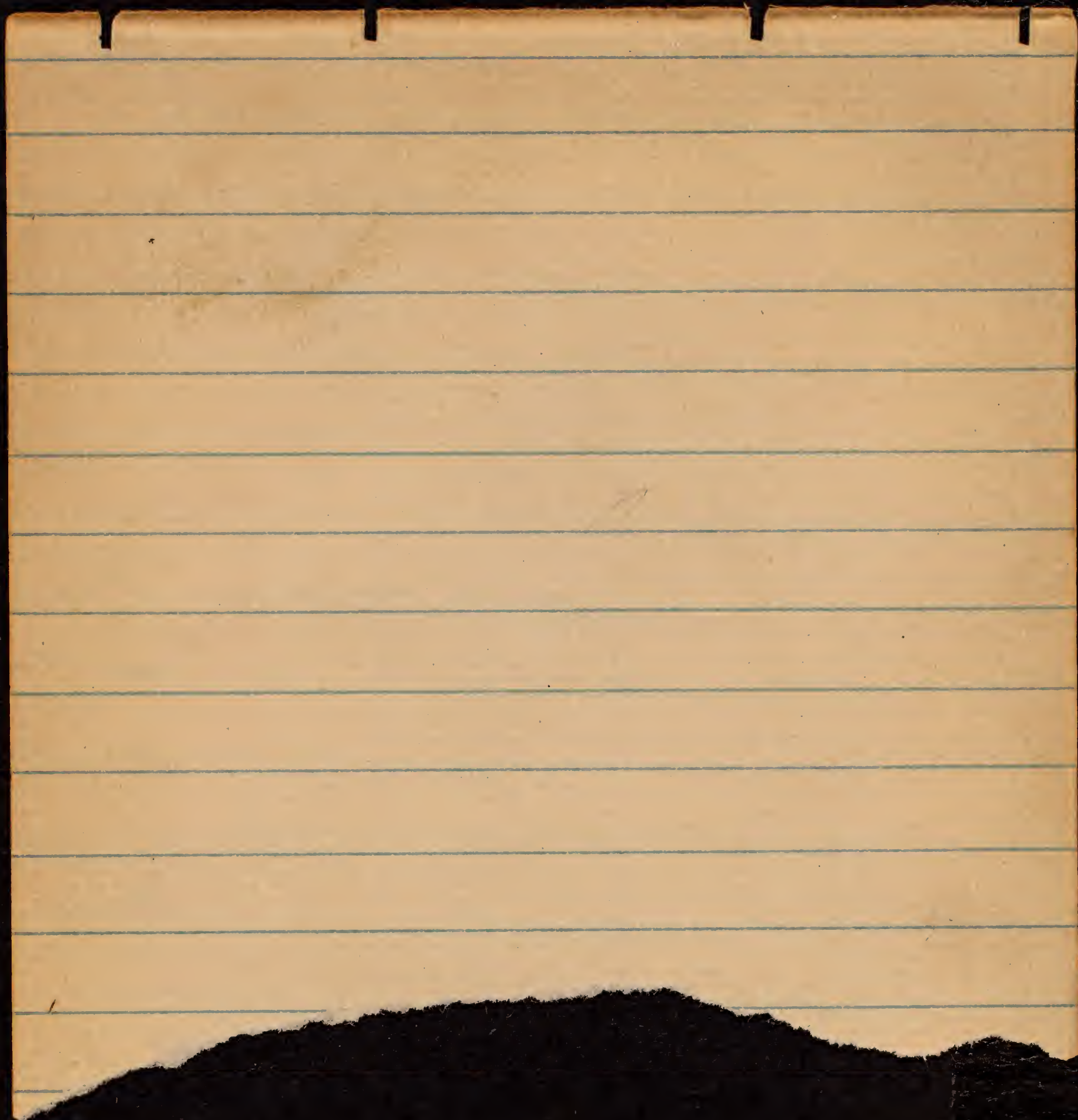
62

63

65

87

71



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85

87

A-13. 200

B-C 250

C-200

123.51
123.87
 247.38
 123.24
120.10

~~19.34~~
 495.47
123.87
 123.87
1.00

207.00

12

10 $\frac{3}{4}$

9

$\frac{81}{9}$

123.51
 55.10
68.40

C-D-261

B-C-5

A-13-15-1
417

367.19

Total Enforce in Hawaii

160.85

May 1st estimate

528.04

65.10

" 2nd

"

583.14

2nd estimate

1st report

2-3-

~~2~~

within 11-4000

2nd report (taken off)

C-2-

461

"

2000

4000

B-C-

316

"

2600

"

A-B-

547

"

2000

"

Total original

742.85
 583.14

 \$159.71

1099.00

Remaining in

Remainder

200

of

5.5
 33.20
 604.
 3400

 47

2.50

17.75

5.95

4.75

33.20

27
 176.5

 180

400

4764.0
 22869

 216220

261
 189

 1949

41881
 1881

 40000

9 3

46

95

99

Q. 1

when he occurred
 been a while
 he appeared
 seem that there
 were church
 men around
 at the church
 of which I was
 a member
 and I saw
 some of the
 same people
 I saw at the
 same time

I took the 12 M
train & reached
Boston 12⁴⁵ P.M.
Did not go to Prichard
but went to India
wharf to ask about
steamers (Portland)
then went to depot
again. Stopped in
the jamans of
South Church of
Boston, 20c
admission. Saw
the window through
which Warren
entered to deliver
his famous oration
on the Boston Massacre
also where Washington
stood (in the gallery
facing the door)

Sunday, July 17
 Went to the bank
 about the bank but
 found that the
 bank was not
 open yet. I
 will go to
 morning. I
 went to the
 bank & took
 for \$100 (35%)
 and needed the
 of an hour
 from much
 both before
 left but was
 money. I
 to the 3. Bank
 of the 3. Bank
 to the 3. Bank
 to the 3. Bank

Jos. Geman
Mr. Blaha

Jos. Novak - 3. N. York
Jan Pisek - exper
Matej Konla - forked
Karel Vejstok - pres

Alb. Svec

Jos. Krulda

Jos. Konla

Jos. Kadlec

Before we dispersed I
also met Jan Vogltanz
of 148 W 9th St
So. Boston

A few stichi
called on Jos. Novak

Jos. Geman, Mr.
Bulbik the cigar
maker & took
something of all
of these places.

Aug. 16 Sunday

Spent the morning with Professor White. Met him in the hall.

After dinner on the way to C.S.D.S

arriving at 2.30

Dr. Evans m. 50

2.30 p.m. with Dr.

General with whom

I went to the wedding

since Professor had

to go to Oxford

garden to play

They are both

of us in the morning

He and my wife

After meeting me

at the office in the room

of Engham

There were

I had to send to
N. Bedford for Alcohol,
Arsenic, etc.
The young fellow Lifford
who was supposed to
take care of the drug-
store, formed an
impression on me which
was most powerful.
He is unmistakably the
most senseless, conceited
lazy fop whom it
was my fortune to
see on my trip.
On the whole I was
glad to leave Woods
Hall. It is interesting
enough but I felt
not at all at home.
The region is picturesque
& romantic, - with endless
bodies of water, lakes, etc.

Here is located the
 Little America
 which we heard, but it
 seems that the manufacture
 of new species of arms
 and shells as the principal
 office of the Government.
 There is a large new
 building with a fine stone
 masonry, a smaller building
 all here & here this
 the old laboratory on
 Little America.
 The "Albatross" the government
 over the museum is at
 the disposal of the
 Government & also the
 "Hale-Lock" which
 houses a new
 section

Woods' Hall possesses
advantages which
might well be the
envy of many more
pretentious places.

The O. C. R. R. connects
here with the New Bedford
& Martha's Vineyard
& Nantucket steamboats
& many people pass
through from Boston
& the North, on their
way to the summer
resorts in Nantucket etc.

The shores almost
everywhere are rocky,
there being only small
stretches of sandy (or
rather gravelly) beach
here and there.

The place is especially
interesting because

At 10:00 AM
we arrived from a
quite picturesque
location on a narrow
neck between two bays
Bay & the harbor &
also saw point below
Little Bay (or old government
factory & wharf) &
the harbor

The country is hilly
& all the timber has
been brought from
Europe (from Norway)
& grown at a fair place
to get anything, there
is but one hotel (best)
& the accommodations
are not at all bad
for the winter with
some to make &
come for country

Aug. 14

In the morning found
many spiders crabs near
ground-work. Cleaned
them & preserved well
& sent by express to
O. W. Anthony.

Packed during the
remainder of the
day & went to Fish Com. in afternoon

Aug. 15

Finished packing my
boxes & sent two
to Jim & two to Anthony
(see contents)


Left at 10⁵⁰ for
Boston, Fare \$1.80.
Reached Boston by the
O. C. R. R. at about 1³⁰
P. M. & went by ^{Bayview} street
car to Thos. Pivchayka
264 E. 9th St., South
of Boston. I put up there

Aug. 13

Heard Whistling vireos in
 the morning & heard a
 few in the afternoon & heard a
 few in the evening. I saw
 no more today than
 before, who had clear
 on the hill. I saw
 one captured to within
 about 10 or 20 yds of it
 in a clump of brush.
 Found *Geothlypis trichas*
 many small *Geothlypis*
 etc. but not as did
 my sister, etc. much
 to my surprise
 This trip was interesting
 & profitable

$\frac{1}{4}\%$ acetic acid. + $\frac{1}{4}\%$ chromic
acid

Aug. 11

Went out with lobster
man, to haul lobster
pots. Went through
Wood's Hole which
was then a seething
vortex as the tide was
going out. Went into
the bay ^{Buzzards} ~~where~~  where
Hauled 17 pots & got
many lobsters. I took
14. Also several Spider
crabs, much *Porzula* etc.

Aug. 12

Cleaned lobsters etc
about all day.

Tedious work, but
satisfactory in the
end.

Aug. 9 - Sunday
 With little rest of the
 day. Afternoon I
 went into hay press
 (which is made up of
 matted brushwood, etc.)
 of green brushwood, some
 etc. Pressed in

Probed up Star-jack etc
 again going south
 along rocky shore below
 present water. I
 picked up with whom I
 visited & with whom I

had a long talk about
 fishing, snail, molluscs
 etc. & when I brought
 the collection to me
 to see the mixture
 for picking fossils etc.

fish pounds

I got about 30 Lobsters
some pipe fish etc.

Bay Head is where the
vessel _____ went

down some months ago
with over 100 passengers.
Saw the famous yacht
"Pilgrim".

Aug. 8

Went with Wilson toward
quarry-works. Picked up
Bullheads, dig worms, etc.
Found Estheria _____

very common in small
pond back of factory.
Also a few Psidium.
Wilson left for So
Dartmouth at 4 P.M.

Aug. 5

Went out toward the
 grassy woods again
 for nests are collecting
 this and gathering
 deep were about in
 much the same way.
 At low tide I collected a
 lot but only what
 I obtained. When came
 down by a little while.
 Went below Steamboat
 wharf & picked up 200
 fish etc. also small
 shells. ~~Small~~ When came in
 Evening Aug 7
 Went up to Bush Island
 & with him we went
 to Mink's Bay
 near Long Key (about
 12 miles away) to visit

His appearance is not at all remarkable & he talks but little. S. J. Smith has a "clerical look", smooth face & is pleasant & talkative. Prof. Lee, a good-looking gentleman with full brown beard is also pleasant & talkative. Sanderom Smith looks like Max Otto & is very right. I spent most of my time with him & also went up in the afternoon & brought the little Norfolk sheld with me. Toward evening I went up in the direction of the guano works & picked up *Odostomia*, *Littorina sulis*, *Littorina litorea*, etc.

Prof. Barr, who is a
large party of gentlemen
& who took me very
well. He asked me to
come up in the morning
& meet the gentlemen
in the laboratory.

Aug. 4.

Went to fish can. &

Prof. Barr introduced

me to Mr. Benedict the

"animal man" who

took me to the laboratory

& introduced me to

Prof. Lee who was at

Prof. Lee & Rogers

Prof. Lee, Smith, Cummings

Prof. Smith and Seaman

Smith, Mendenso.

Prof. Smith has a young

assisted & probably

has his head bent forward

Went to Sunday school celebration
Got wet Sunday ^{evening}.

Also picked up a few
shells. Pteris & the
Lilium were very
abundant everywhere.

Boarded the ^{Aug 3} 2:40 P.M.
train at Buzzards
Bay for Woods. Stopped
after writing to Wilson
whom I did not find.
Reached Woods' Hall &
put up at L.D. Fish
being compelled to take
a room with Mr. Davis
a carpenter. Fish is a
shoemaker & a dwarf
while his wife is a large
woman as is the daughter
Lily. Very ill-matched pair.
Paid \$3.00 a week.
Went to U.S. Fish
commission & met

Fall River, the border
 City with 50 cotton
 mules mostly returned
 on a bluff in the 3rd
 the river
 of the mule which I
 saw were mostly large
 steam grunts, 4-5 tons
 each. I went up the
 bluff to the city hall
 (of which see page)
 had a fair view but
 saw nothing to the
 desert, which I left
 for Bingham's Bay
 at Bingham's Bay
 stopped at the Palace
 Home (p. 25). Saw a
 little bit of water
 Sunday, 4 more mules
 arriving, for about 1/2
 mule per collection

I turned in at about
8 o'clock as I was very
tired, and slept soundly
until five, when we
reached Fall River.

Aug. 2
Description of the Pilgrim.

Boarded the steamer at

4:30 & we left about 5:30

while a fine rain was

falling. We had a good

view of Gov. Isl., Beards

Isl., the great bridge,

and then, passing immediately

by the locks, we passed

Washington Park on the left,

Blackwell Isl. with its

jagged rocky shore

called "in the night,"

though Hole took with

Russell's Ward also,

to the left, then past

St. Sebastian out into

the sound. On look

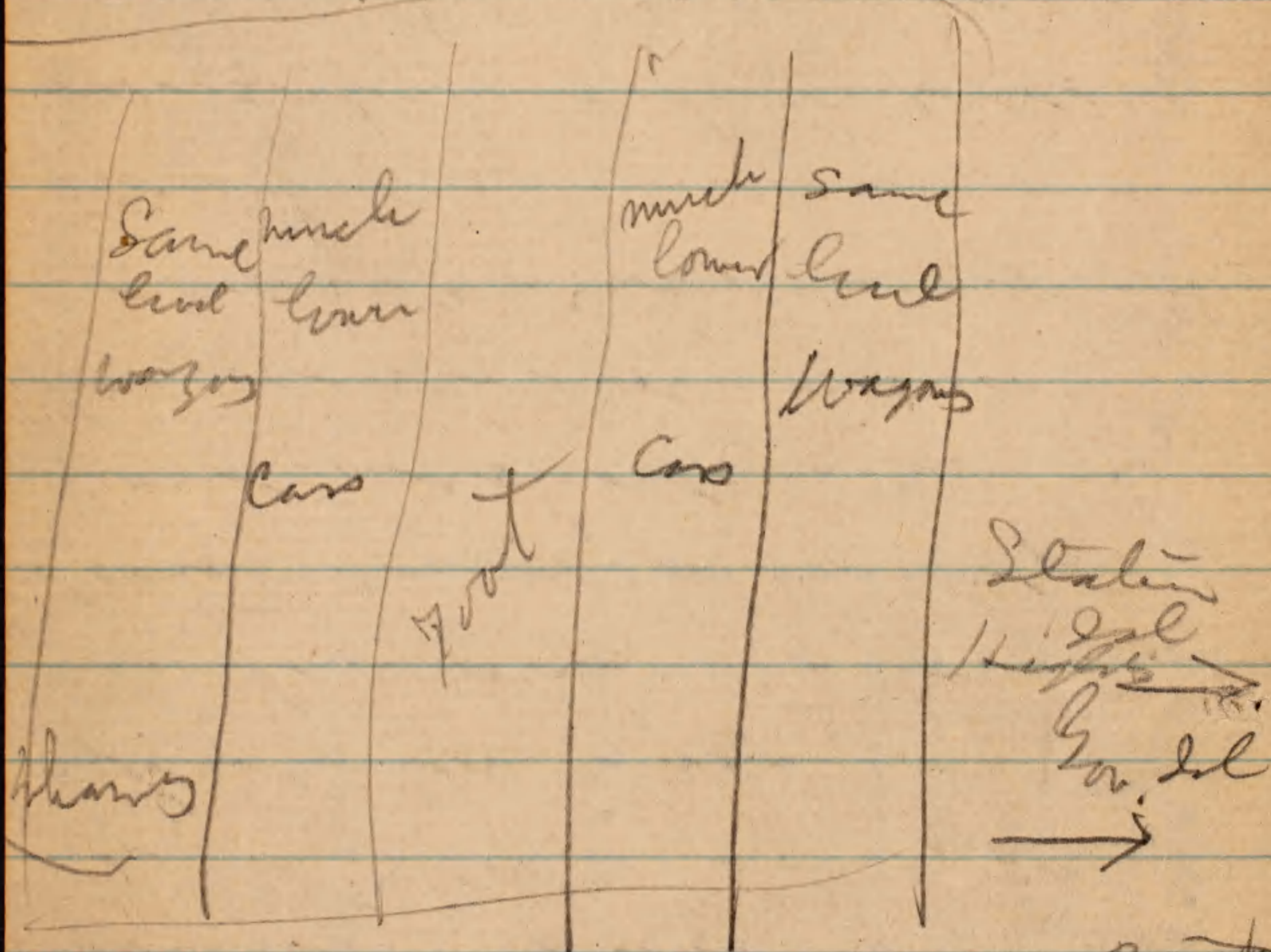
also we saw at the

shore which were (belonging)

the hills coming up

quite to the water's edge.

to the right, Bedloe's
Is. where can be
seen the ship for
erection of "Liberty".
It has apparently not
advanced more than
3 or 4 stories
Brooklyn



New York
A sight not to be
forgotten

Learned that Camp was dead
Went to Mr. White (see

Went to Mr. White (see
above) & returned 10:30
P.M. Had a good talk,
then took car B. car
to Brooklyn Bridge

I have the car
 in the garage
 and the car
 is the same as the one
 as shown to the

Write on for a the top
can reach the bottom

can reach them the
the following manner
the following way, where
they live also in the

the following names
of the first, which
the latter who in the
middle are covered

and I have
 with me at last
 and I have

My dear Mr. Jones

Admiral Smith (means)

Can you
 govern 1 2 3
 1 2 3

Took a B^o. Ave. car
near Postoffice & went
about 18 blocks, to H. T.
Woodman's agency, no
204, 6th Dr. I found the
old gentleman very jolly,
very talkative, especially
concerning Iowa affairs, & not
at all fond of N. York hacks
Then went to Broadway (
Astor Place) & took a
car to no 11. E 22nd St
to H. Prime, who was gone
however. Saw a bronze
statue of Lincoln on
the way ^{at Union Square} (About 12
blocks from Woodman's)
Then went W. to 4th Ave.
& took street cars for
5th Ave. Stopped at
Dr. Brodshy's, but he
had gone to Encke
1751

Arrived N.Y. at 4:30 Saturday
 morning, and remained in
 the steamer until after 7.
 Then I went down to the
 waterfront of the Newport &
 Fall River S.S. Line & got
 a ticket by Fall River to
 Buzzards Bay, = \$3.90 with
 stop over privileges.
 Then I went up Murray
 street to the city hall, just
 beyond Broad way.
 The first 6-story building
 building is across the way.
 The city hall - 17 stories
 2-story, covered from
 the 4th to 17th story
 Post Office. Everything
 no dropped in morning.
 The elevated R.P. were a
 new sight to me.

not show, at the distance,
any signs of danger.
The length of the
Richmond is about
225 ft, width, amid-
ships about 32.

The steamer has had
to stop entirely a
couple of times because
of "hot-boxes".

The "starboard" side
of a ship is the right
side, the "port" side
the left.

Capt. Boaz of the
Richmond.

The red light is on the port side

" green " " starboard

We passed within nice view
of Ocean Grove and

Long Beach, which presents
a long chain of electric
lights etc.

These are very good
 several passengers were
 "happy" I returned my
 white coat for
 dinner and outfit.
 About sunset we were
 off the Bismarck
 light-house (now going) with
 a large number of light
 before this we had passed
 within sight of Egg Harbor
 opposite the light-house
 we saw the steamer
 Brackley which was
 wrecked on the rocks
 6 or 8 m. ago. She
 ran between Galveston
 and New York. The
 afternoon was that
 of a clear night
 but few stars (11:30 a.m.)

I counted them a
number of times (in
different places) and
at no time did I count
less than thirty.
The number of passengers
~~was~~ small. As far as
I have seen a lady and
a young gentleman sea-sick.
The lady seemed to be
much so, whereas the young
man (Mr Barr of
190 Point) complained only
in the morning. Thus
(12 M.) for I have been free
from any trouble. Had
a good appetite for breakfast
& did it justice.
We were out of sight of land
for several hours just before
and after noon, - opposite
Delaware Bay.

a gentle breeze blowing
from the north at about 11 o'clock

and about 8 in the morning
could see the mountains
there is a faint line
to the west. Clouds also
are seen as we passed
the sea is quite calm
and the trip is a
delightful one. I am

glad that I missed the
"Bay Line" steamer.
We are at this point
at night of day, I
at 10.15. The water
there is clear, it is but
a faint, hazy blue
depths down to the
bottom as many say
comfortably in night.
621

started at 8⁰⁰ o'clock
P. M. sailed down
Elizabeth river, past
Petersburgh, the Naval
Hospital, Fort Mifflin
Cape Charles & Henry into
the Atlantic, in the
Bay. I saw the phosphorescent
glowing jelly-fish, the
light flashing up
occasionally like a ball
of soft flame.

We could see the lights
of Ocean View for
a great distance as
we were passing.
We reached Cape Charles
and Henry at about
11 o'clock. The ride was
beautiful, the night
being moonlit, and only

There was of course
a little more for
about 100 (not)
Returned to the depot a few
miles away for
a train with
a few passengers & luggage
Left for Chicago at 5:40
I reached a little after
noon. Went to hotel early
found my life (2005) and
left for Bay Line when
intending to go to Baltimore
and then a little later
I found in the
"Old Baltimore" Hotel, Bay
at least on the way for
\$800 (unpaid for 2005)
This gave me a state receipt
and found
The Atlantic

After dinner we went to
the N. & S. R.R. wharf & obtained
Mrs. Henrich's baggage & went
to the "Old Dominion Line"
wharf (at foot of Church
str.) where Mr. Henrich
boarded the "Old Dominion"
for New York.

I went to my old stopping
place at the River House
and spent a miserable
night - cause of misery -
bed-bugs & mosquitoes.

July 31

Went to Ocean View at
7³⁰ A.M. Took a trolley
along. Reached Ocean View
at 8⁰⁰ & providing myself
with lunch, went up
the beach to Willoughby
Spot opposite old Point
comfort, where I obtained

The people seem to be
the high-mountain people

July 30

Started at 5 with a

four o'clock train & will drop
at 7⁴⁵ (at 7⁴⁵)

Capt. Southgate, no Capt. J
Chenoweth

Reached Elginville city a
little after 9 o'clock, and

as there was a freight
train waiting we started

at 10 o'clock for Norfolk

After a very tiresome
ride we reached Norfolk at

8 o'clock P.M. and went over
(by ferry) to Norfolk, where

we took dinner at the
Russell Hotel, on 3rd Street

& main street. To be changed
or returned

& the shades produced by the reflected clouds were beautiful. There was but little rain fall. The sunset was beautiful.

The remnants of the storm cloud on the horizon were variously tinted with blue, red, yellow, black etc.

We passed around Round Bay Isl. again, in sight of the large Bodius Isl. lighthouse and reached Nag's Head about 9 o'clock and laid over until 5 next morning.

We went to Nag's Head hotel & staid until 11 o'clock.

climbed the sand. hill & had a magnificent view of the sound, beach & ocean by moonlight.

Everything about the Head looks 2nd class though

Confusing too. I was
 at New Bern 8 years
 the Polytechnic Museum
 in excellent condition
 being completely renewed
 by the nation.
 The first month
 from New Bern at
 4 P.M. but the being
 summer day we left
 New Bern a little
 after noon. That
 with a late train 8-10
 miles 50 ft.
 We had a narrow creek
 the gate across the
 house was top and
 found a thin for very
 pleasant, though it
 is very warm.
 There was a storm brewing

July 29 - Tuesday

Went to Morehead at 5 A.M.
& took the train for
New Bern. Saw many
interesting flowers on the
way. Among them
Magnolia glauca in bloom,
Saurauia, etc. Also
saw much cotton in
bloom, with white & red
flowers. The plants were
not more than $1\frac{1}{2}$ ° high.
It would well be worth
the time to make this
trip overland for botanical
work. The pine forest
have such a dense
undergrowth that it
would really be useless
to attempt to get
through. Shrubs & vines
& trees grow in the
greatest profusion and

Presiding at the
 most desirable summer resort
 which I have ever seen.
 There is no lunch here,
 nothing but marble &
 marble alone.

likely to look after his
own interests before those
of others.

Mr. Morrill of ^{Cincinnati} ~~Terre Haute~~ ^{College Hill}

Ind., a very quiet, very
studious man of perhaps
thirty, though apparently
much less.

Mr. Jenkins of Terre Haute, Ind.
quite free to express himself.

Mrs. Tyler, the house keeper,
proved to be very kind to
me in my sickness.

William the cook &
general manager of the
household also deserves
mention.

Mr. Duncan of Deaught
is the young man who
persisted in talking "religion"
to me.

Dr. Mills of ~~Seattle~~ -
 thoroughly English in his ways.
 Dr. J. C. Hemminger of Salt Lake
 a truly young man.
 Dr. Howell of Salt Lake, a
 little nervous but pleasant.
 Mr. Hornick the farmer
 and ornithologist of N. Hamp.
 with whom I passed the
 most intimate acquaintance.
 Mrs. Holman, - guest, thought
 young German!
 Dr. McMannick of Portland
 guest and not given a
 too much talking generally
 Mr. Jones a plain young
 man with a plain as
 if he had little and
 the were considerably
 Mrs. Mackintosh of Minneapolis
 plain, kind - interesting &

jelly-fish being
remarkably fine. He is
plain in his habits &
possesses remarkable
application to work.
He is a native of Cleveland.
Mrs. Brooks is a good-
natured little soul, somewhat
sickly, but intensely devoted
to her "lord" & little ones.
She lacked opportunities
for education in early life,
but has "picked up" very well.
The two little ones, Charlie
& Nettie complete the
family. Charles, the older,
will be a thinker of few
words like his father, while
Nettie is a lively little
talker, who is as Dr. Will
expressed it, a "born
conversationalist."

had better cultivate some
 common wild flower for a
 number of years carefully
 observing the variations
 under the following the
 conditions: drying the
 collected + wild forms
 of any species - the forms
 preserved by the pollen
 of cultivated or original
 wild form will be more
 variable than the results -
 i.e. he wishes to show that
 the made element in the
 one producing the greater
 variations - is changes
 I found him very hard
 arguable and a hard
 thinker. He is an
 excellent free-artist, some
 of his drawings of

intermarriage. Mr. Cox
the teacher, told me that
when anyone died four-
fifths of his pupils were
excused because of relationship.
I found it very difficult
to get many common
articles, such as thread, sealing
wax etc. The people however
were very willing to give
all information possible, -
indeed "directing" one
seems to be their great trait.
Among the people whom I
met I think these deserve
mention. First of course
the members of the laboratory.
Dr. Brooks is little talkative,
at first seemingly unsocial,
but he speaks to the point
and wastes no words.
He suggested to me that I

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July 27th Sunday
Spent all day working
very hard, cleaning up
and put, etc.

July 28. Monday
Spent the day in packing
my specimens.

German brought me
Acrida and Sa. brach.

Said my grasshopper in
the evening and left
at 5 Tuesday morning
for Mannheim.

Information of Beaufort

I found Beaufort a very
pleasant place as far
as scenery goes but the
town itself is old-fashioned
and as I am unimpressed
the people here nearly
all become infected by

Occasionally Dr. Brooks
dropped in for a chat or
brought me books or
papers.

(Expand on this.)

Heredity

W. K. Brooks

John Murphy & Co

Baltimore Md.

July 24 Thurs.
Was able to be about the
house a little, but had to
be very careful.

July 25 Fri.
Ventured to do a little
walking though I still
found it painful.

July 26 Sat.
Walked about more, going
out to the water (only a
short distance.)
H H 1

are. Next day went

in morning & was
July 18 - Friday

Hobbed about the house
trying to clear obscur

but was very sore

July 19th 22

Also put to bed by order
of Dr. Will. knee

swollen and very
sore the leg - 7 was

20-21-22-23-

Spent three days in bed

moving my leg on

arm. They are damp

of moving with which

but little movement

fell (as when I sit

am nervous)

Dr. Will and Mrs. Hys

were with very kind

and Mrs. Brooks.

July 14. Mon.
Went to Shark Shoal with
the Nauplius Form
moll, etc (see list.)
Did some towing & found
Oceanica & _____
(little jelly fish) etc.

July 15 - Tues
Went to Shark Shoal
myself with usual result.
Found many Pecten irradians,
See next

July 17 Thurs
Went with "Nauplius"
out beyond bar to
Shackleford Beach, to
do some trawling. Hauled
up Star fishes & much
Plumularia.

July 16. Wednes
Went on Bird Shoal
with a boy & got

July 12 - Saturday

Met with the "Hauptling"
to Ft. Mason. Found

Myrmica, *Formica*, etc.

much an acquaintance

with Mr. Hornsby, who

devoted some time to botany.

The Ft. Story looks

formidable enough and

is generally admired.

It is not garnished.

It was early taken in the

morning. None of the

though not equal to

the "Horn's" etc. "words"

of the men at the

Ft. to be taken.

July 13 - Sunday

Spent the morning in

writing letters in the

afternoon took a walk
in the Grove with Mr.

641

accommodations. Called on Prof. Brooks.

July 9

Went to Bird Shoal very early, and got a great quantity of shells, *Libinia*, etc.

In the evening I called on Prof. Brooks at the home and listened to the "reading."

July 10th

Thursday

Spent this preparing what I got. In the evening I changed my quarters to Prof. Brooks's, obtained a room from Mrs. Tyler and mess with The Laboratory.

July 11th

Friday

Spent this mostly in moving and in cleaning up. Hired a boat from Gibbs in the afternoon, and went over to Bird Shoal marsh. Found only a few *Sponges*.

where I put up at

Mrs. Sarah Davis
who keeps a private

hotel. The accommodations
were excellent, but the

price too much.

Staid with Mrs. Davis until

July 8.

In the morning I went out on
Shark's Head with the negro

farmers, and obtained shells,

etc. (See list of lot sent away)

Spent afternoon with Rev.

Trice, who is a childless

old gentleman, kind &
good hearted, named his

shells for shells. I went to
Mrs. Davis where I found

shells, though very poor
July 1

a July 7
Put up at the Central
House B. Patterson prop.
Stayed until 8 P.M., when
I left by rail for
Birmingham. The day
was spent at New Bern
in botanical work for
result of which see
herbarium & notes
Met Mr. Geo. Allen the
prominent hardware
merchant, and found
him a very live, energetic
and agreeable gentleman.
Also Major John Hughes,
a lawyer, whom I also
found very friendly.
Arrived at Birmingham
about Ten, & took
Steph. Palmer's Turners
sail-boat for Beaufort
091

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a little after 6 A.M.

Arrived at New Rome

60' (depth)

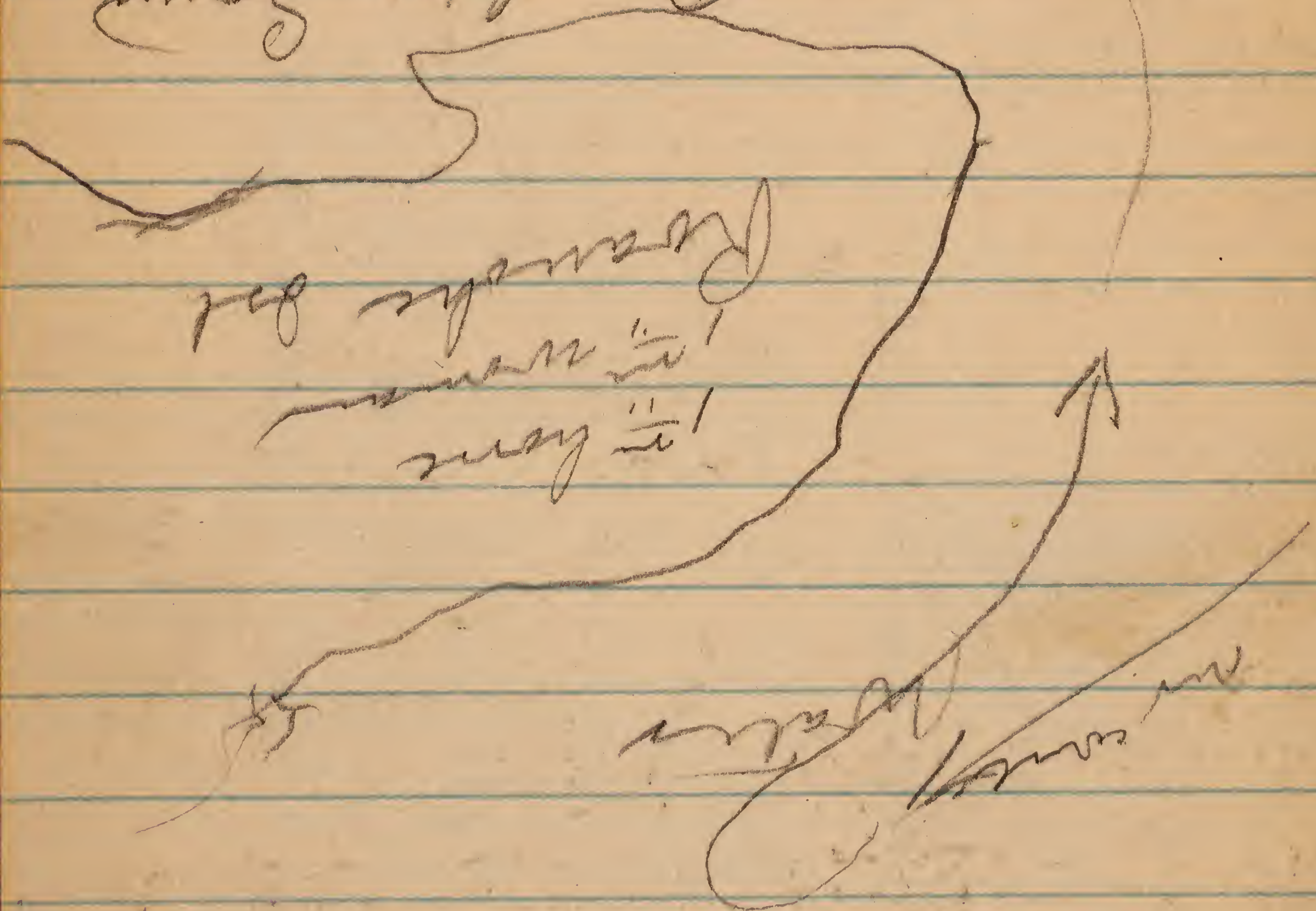
(we arrived it at about

around 10 miles delay)

after 5 and passed

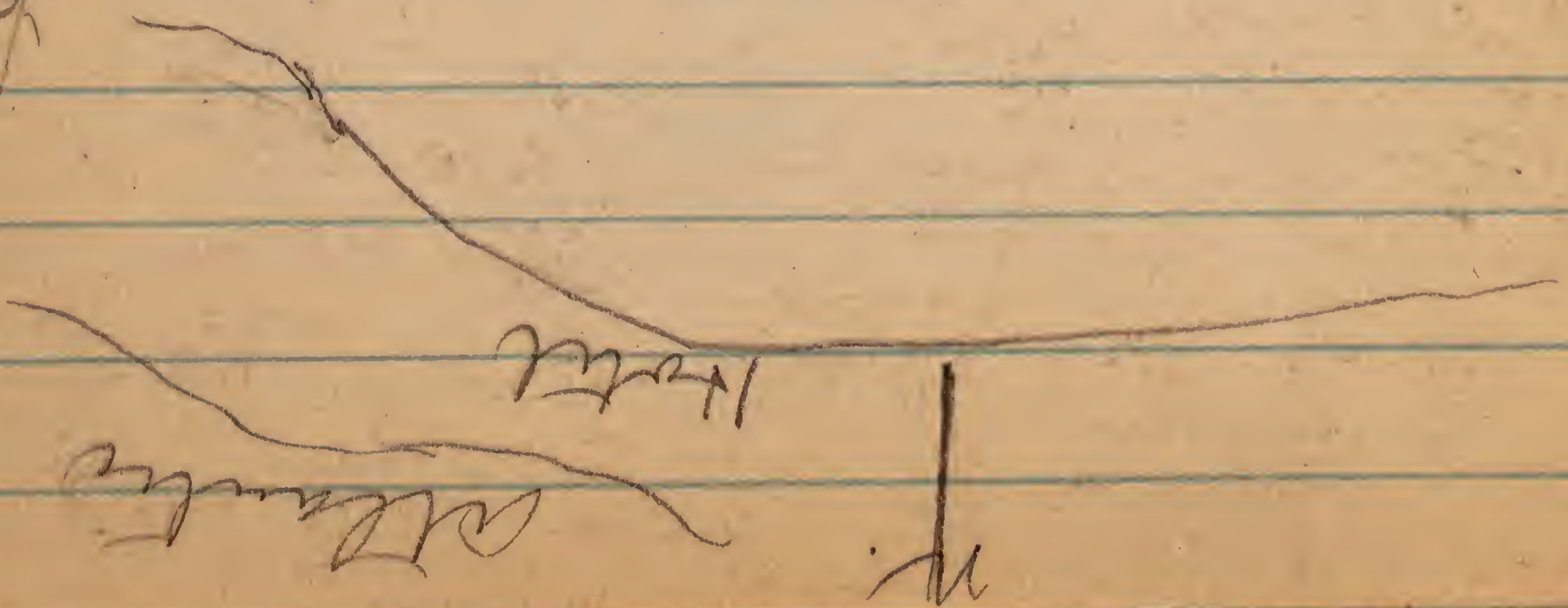
Station from New Rome

Panther Sound



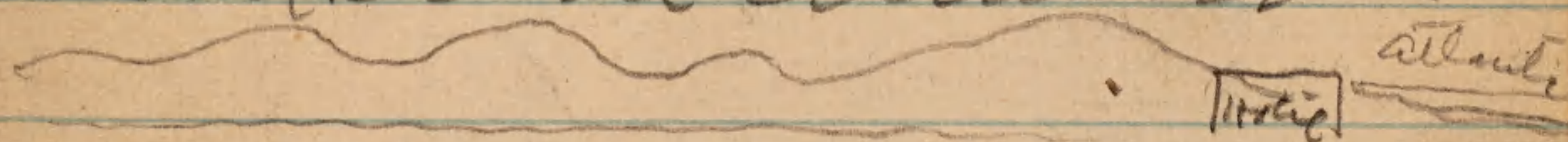
Light

Light



at 4 o'clock we landed
at Nags Head a Summer
Resort, the most barren
place which I have seen.
Bare sand-hills rise on all
sides & no trees are seen
nearer than $\frac{1}{2}$ mile (west).

The hotel stands on a narrow
neck, & beyond to the N. E.
I can see the Atlantic

 Hotel Atlantic


There are about twenty
houses beside the hotel,
strung along the beach.
People who go to this place
must want to visit a
summer resort awful
badly.

The North-west mt + others
are known by number.
The water is healthy, sweet
acting the malaria.
Near Glasgow City in the
Pacymatambo river (S. of the city)
is a marsh which, I am
told was sunk during the
war by the Confed., but is
now near the city. There
was a battery erected opposite
the where the bridge was
now stands.
We sailed down the
Pacymatambo to Allentown
about 14 miles distant.
The voyage in the river
was very pleasant and
at times being out of the
sight in our midst of the
other.

July 6.

In the morning went out to get my knife (which was left in the woods). Found a fern (*Asplenium*) in the gutters of Elizabeth City.

Spent the forenoon in "nosing" around, and finally left on the "Shenandoah" for New-Berue.

Elizabeth City is an old-fashioned town with very fair streets. The 2-wheeled cart holds the cart, & one horse, mule or ox is the motive power. The old-fashioned wells  are found everywhere, the shallow ~~well~~ wells making these really preferable.

The cypress is very abundant in the swamps. The waters in the ^{p. 51} Pamunkey river & in

Polyphidum venustum
as abundant in the
large bluffs of
Elizabeth City.

July 5th Sunday
Spent the day
plant and writing
letters. A dull day.

While at home I saw
the President 4th July
parade (a cannon on
the negro) Negroes were
in the street very happy
Yours very truly
Wm. F. F. F.
called on Mr. McNeill
the great antiquary
of Elizabeth City with
whom I had a pleasant
chat.

July 3rd afternoon
Spent the ~~day~~ ^{afternoon} in
~~pressing~~ collecting plants,
Hornu. See list of plants

Saw Cardinal birds, &
Mocking birds quite
numerous. Also a pair
of vultures.

July 4th
Spent the day in pressing
and analysing plants.
In the afternoon I
called on Prof. Sheep
who conducts a private
Academy & is Co.
Superintendent. He is
from Pa. & is a very
pleasant young
man with language
& mathematics a specialty.

951

(from 2 of Norfolk & Virginia
 Portsmouth, Virginia
 Rembleton Green
 town with Norfolk
 City. Norfolk, with
 Portsmouth and the
 U.S. Naval Hospital, very
 nicely situated.

Spent the remainder of the day in cleaning and packing. Obtained the following from B. Reddle:

1 fossil Sharks tooth

1 small " "

1 " coconut.

2 Prawn.

1 toad fish, 1 sea horse.

2 sharks' jaws.

Left Norfolk at 9 ³⁰ ~~40~~ ^(trains) for Elizabeth City, round-trip to Newbern \$4 ⁶⁰.

Reached Eliz. City at noon & stopped at River View Hotel.

My impressions

of Norfolk

Streets narrow and crooked and dirty, with surface

sewerage. Very unhealthy. Mizzes very plenty (more

On the Sand flat
I found a number of
Terns nesting (4 set) &
Also a number of things

A single egg.

I just across the "Shalms"

I saw see Ft. Worth or

the "Pip-Rapo" as the people

call it, a little beyond

the low foothills of

at Monroe.

Returned to Norfolk at

10³⁰.

Spent in cleaning and
July 12

packing specimens

July 2.

Called on Prof. Webster,

obtained a letter in

his garden, and also

Mentiana picta.

June 30-

Went To Ocean View
(7 miles distant) & went
up the beach to opposite
Fort Monroe.

Collected a great amount
of material.

Red sponges, "egg" sponge,
"spongy" sponge, *Crepidula*
fornicata, *Siliqua*, *Solea*,
"sand-crabs", - a new dry crab,
cast on shore, young of
"sand-fiddlers", a number
of "Pteropods" (?) (I called them
"*Planaria*" at first),
Anomia, etc.

In Little Bay I collected
Nassa obsoleta (very numerous)
" " *viridis*, Hermit-crabs,
large oysters, *Crepidula*
planata (on oysters).

09/ Picked up a dry Ballon. fish.
Caught a live "Star-gazer".

He was a Mahomedan,
'cause he says de
people's man.
The argument that he
was was that the
Mahomedans were not
extraneous when the war
first was contracted
and hence they ought
not to be supposed to
pay a debt which
they did not contract,
and quite a number of
dirty) treacherous Muslims
near the city.

June 30 - Sunday

This was Botany day.
Went out into the pine-
woods beyond Cemetery
(at end of Church str).

Found a large "purple
pear", Chimaphila
(ground-holly),
Oxyriopsis acule
(in fruit), Asplenium
Hyphessum (along road
side), Trumpet vine
(along road side) Lonicera
sempervirens & other plants
on which see list.

Also a Berry.
Black-berry abundant,
and so was the rain.
Got an awful soaking.
Had a lengthy conversation
with a darkey by the
roadside!

June 29.
 Found a lot and went
 to Berkeley Beach.
 This is sandy with a
 film of mud.
 Found oysters in the
 beach, also the "red-
 legged crab" in consid-
 able numbers. On the
 muddy flat *Stolacium*
argenteum occurs in
 considerable numbers.
 Picked up a great
 number of *Pistina*
testata in the sand.
 These were much cleaner
 than those on mud-flats.

X June 25 - Sub.
Called on Rev. Armstrong
a Presb. minister in Noe's
Court. Had a short
chat with him & with
him & advice went to
Dr. Hedges & obtain some
ferns on the old brick
walls (D. Trichomanes, & Pteris)
Also Polypod. incarnum
on the large elms in
the street of Norfolk.
These were hardly too dry
to preserve.

June 27
Rainy - stay in
the house all day.

June 28
Collected along the wharf
in the afternoon - nothing
special. Rainy.

another of a number
of scientific books and
papers. He has charge
of Webster's No. 1 a pub. about
June 21st 26th
called on Prof. Webster
again, and out there
Mr. Cook Bates of Mass.
that a pleasant chat &
obtained 2 fine Boston valves
& a Carabid from the Pig
heart to which on May over
and called "sting-worms"
the "spike like wharf snail"
Medusa, etc.
Also obtained *Trigloporus*
ovum, & the "yellow" &
purple sea "urchin"
Polygona — on sand
glass in Norfolk

Returned about 8³⁰ + worked
on the mud-flats along the
Elizabeth river until the
tide compelled me to leave.

Found a great number of
Melampus bidentatus,
Pittornia striatay Modiola
plicatula, "Finger" crabs
in great numbers, also
a Gammarus.

Also found sharks eggs
+ eggs of Fulgur at the
Va. Beach.

June 25th

Collected Melampus, etc
along the bayou near
Va. Beach Depot, Norfolk -
In the morning I called on
Prof. N. B. Webster, whom I
found to be a very obliging
kind hearted old gentleman, -
well-informed, and an

June 24th

Reached Norfolk at 8³⁰

Put up at the River

House, where Professor ^{was} (B. Peck)

conferenced with army. He

observed that the war

was not yet over.

Left our room by

rail to Virginia Beach

on the Atlantic. The

area my first view

of the ocean

"Caught a number of

"sand-pipers" and three

large crabs which were

reared ashore by the

incoming waves.

The sand-pipers are the

"chipmunks" of the ocean

beach.

The great abundance
of ships of all sizes
& kinds at both
places was a new
picture to me (even
after seeing Chicago &
Golden)

They all wanted to
 know what the getting
 down with the
 The market place of
 Baltimore & Norfolk
 were new to me; there
 everything in fruit,
 vegetables, fish etc,
 etc. can be bought,
 the shops of Baltimore
 are not all straight
 nor wide, though some
 (as Broadway) are
 quite wide & pretty
 with a flower garden
 running in middle,
 Norfolk has very
 narrow & crooked
 streets, some as
 long as 100 ft
 in all.

In Virginia small grain
was being harvested.

The great number of
day-lilies & the great
abundance of white-
wash on fences, barns,
sheds, houses, etc.
were striking.

Pines abundant in
Va.

The women of Baltimore
are ugly as a rule.
Those of Norfolk pretty
(not handsome, but
well-formed in face &
figure, graceful, etc.
as also are the men
of Norfolk.

Thus far I found
the darkies childlike
in their innocence.

General Remarks
on the Estimation

was much like the one
this had almost no
flowers along R.R.
nothing but weeds
& grass. In other
the great scarcity of
hops & cattle and
abundance of sheep
was striking.

After we passed Memphis
at the scene was
more interesting, the
country being very
fertile. The red (wood
country soil was peculiar
from in fact & etc.

Here also a canal
runs parallel with
the B. & O. R.R. for some
distance.

Reached Washington
at 7³⁰ and saw
White House nicely
from the R.R.

Reached Baltimore at
8³⁵ & at once
hunted up V. J. Smith,
N. Broadway St.
Saw John's Hopkins
"Anniversary" as the
darker put it.

At 7³⁰ took Bay steam
"Caroline" for Norfolk
which I reached at
about 8³⁰ June 24th
After a pleasant voyage
down the Bay
saw St. Mungo. Boat stopped

Reached June 23
This is the most

romantic place along the
route the cliffs (marked)
along the Potomac River
away up in Cully.

gravelly on all sides
the end of the river
(which shows for)
at covered with large
masses of rocks, forming
rapids in the river

for a long distance
near the deepest of the
around the walls of the
old quarry in which

John Brown was executed
(or which he attacked)
(see picture on fly leaf)
Two short tunnels

eyond Harper's Ferry.

vertical bluffs are capped
with cedar^(?). The country is
very rough to Bellair.

At Cambridge^(just west of) we passed through
my first tunnel. Also one long
and one short tunnel between
Barnesville and Plainville
and where there is also
considerable coal.

Crossed the Ohio^{river} at Bellair
to Penna. at a little after 5 P.M.
Between Penna. and Cameron
there is a long tunnel
1/2 mile between them.

Between them there
are several small tunnels
which are a mile
long. The road is very
rough and the
passage is not

Received Chicago June at 9 10
and changed into New York
on the 12th. The security
between Gray Rock and Black
Hart was especially fine. The
R.R. runs along a stream where

June 20-1885

Left Iowa City at 5 A.M.

arrived at Chicago 2³⁰ P.M.

Saw Exposition Building,

Palmer house, Custom-house &

Post office, Board of Trade,

C. R. I. & P. depot, The Lake etc.

Started from Chicago at

7³⁰ P.M. & reached

Toledo O. at 4¹⁵ A.M.

June 21.

By the Lake Shore & Mich. S.

R.R. Had to wait until

10 A.M. to get to Monroville

& so I stepped out &

found Ranunculus acris,

Trifolium procumbens

& Geranium vulgare?

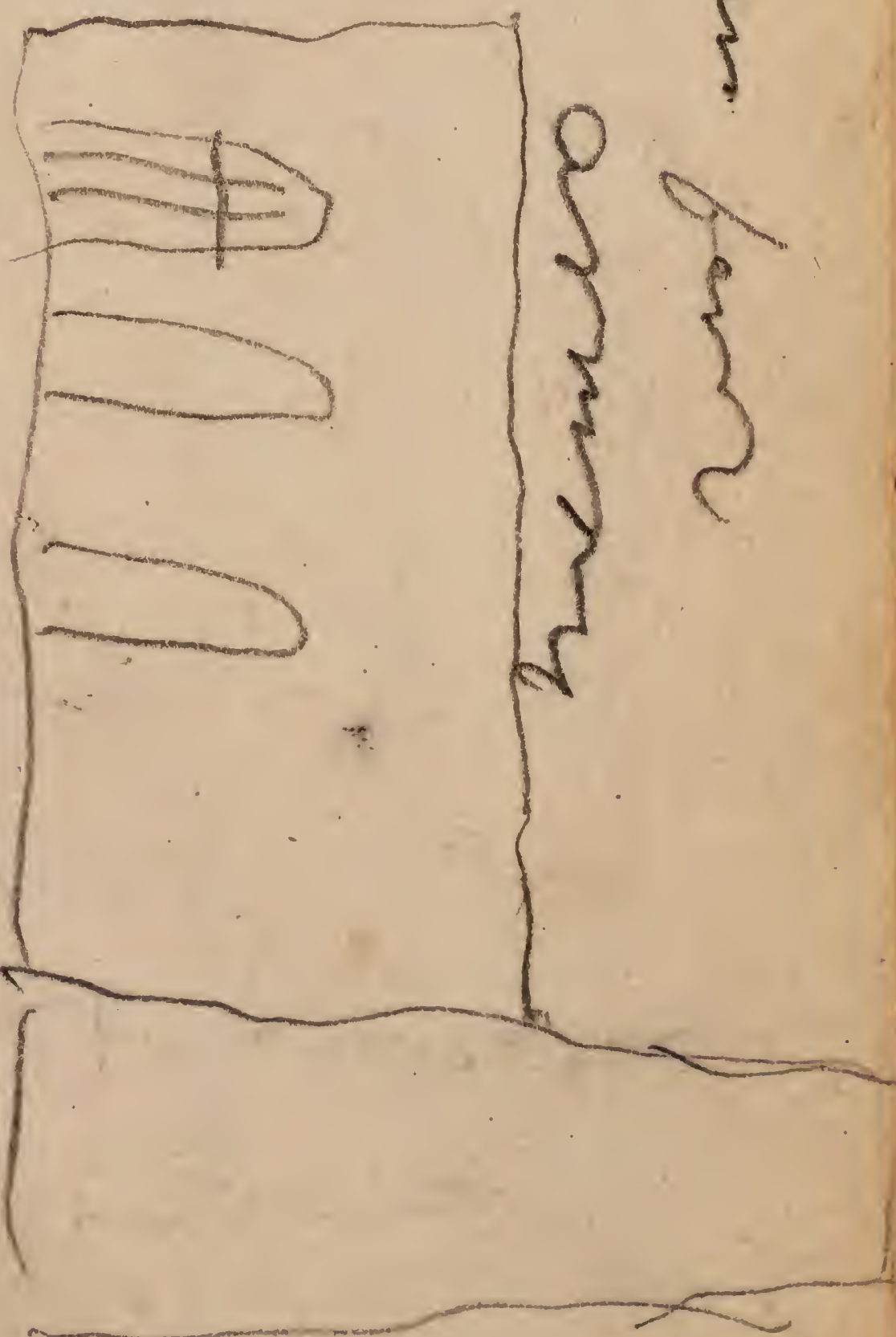
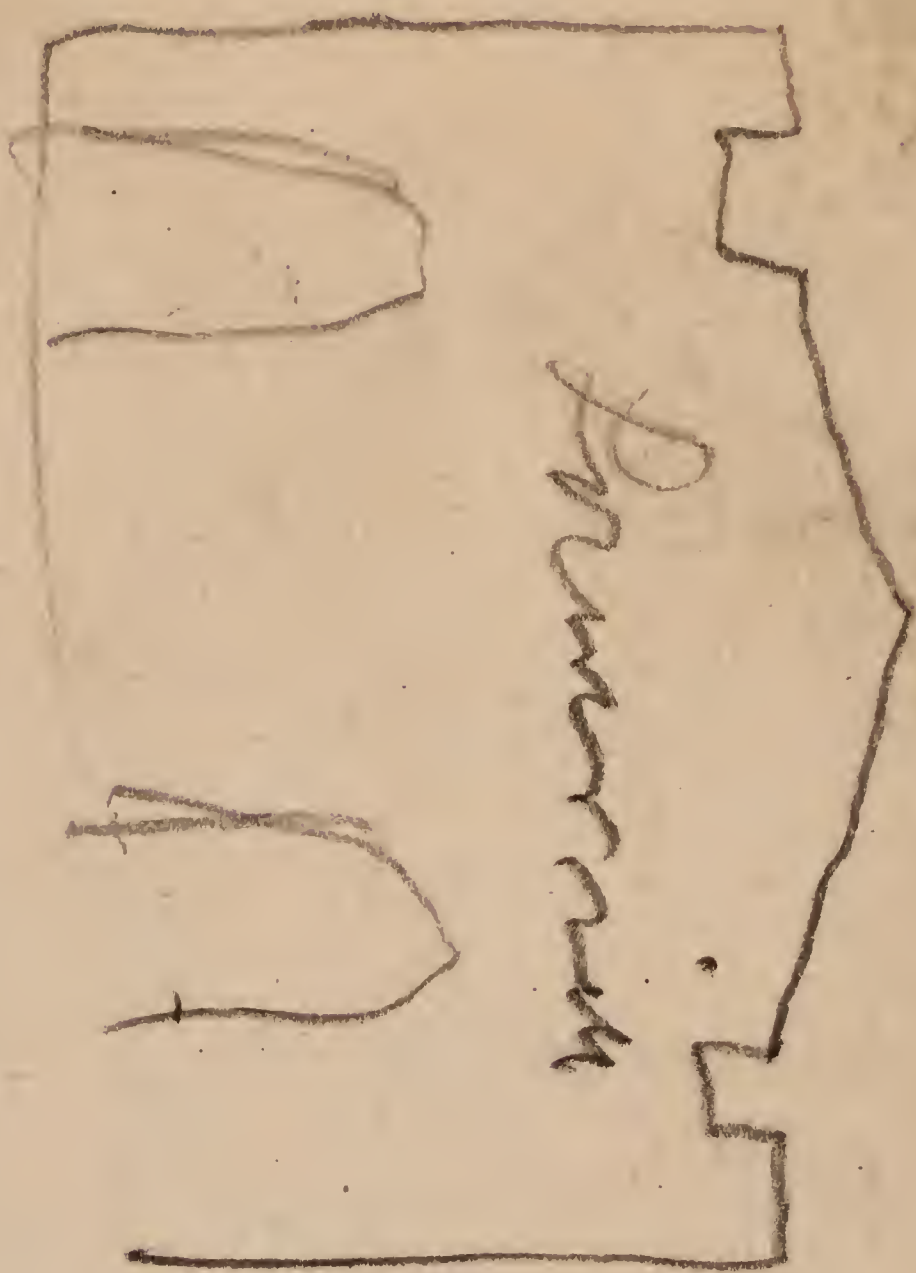
& saved some of each.

These grew along from near

R.R. yards.

9 L 1

1st floor barn



11 doors

1st floor barn

11 doors

1st floor barn

R.R. along a canal

21
14
7

Note-book no I.

Commenced June 20

X 8 8 5

Got to work 7²⁰

"Prepare for eternity
now"

Soon as two lines

178

Feed on prey & school
Herrington

The lot of shells which
I brought from Little at
Beaufort. some from
Cape Fear. from
from the bay, from
Beaufort beach.

157 - 1360

What else

Bay Line

V. J. Smith
294 - 1360

No. 3

East

1885

East

1885